

# DIPESH GOEL | 22NA30011

B.Tech.(Hons.) in OCEAN ENGG. AND NAVAL ARCHITECTURE and M.Tech. in OCEAN ENGG. AND NAVAL ARCHITECTURE

MICRO SPL. in ARTIFICIAL INTELLIGENCE AND APPLICATIONS, ENTREPRENEURSHIP AND INNOVATION

+91 88474 10715 | [✉ dipeshgoel@kgpian.iitkgp.ac.in](mailto:dipeshgoel@kgpian.iitkgp.ac.in) | [in linkedin.com/in/dipeshgoel27](https://www.linkedin.com/in/dipeshgoel27) | [github.com/DIPESHGOEL27](https://github.com/DIPESHGOEL27)

## EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2027	M.TECH Dual Degree 5Y	IIT Kharagpur	8.56 / 10
2021	AISSCE (CBSE Board XII)	KB DAV CENTENARY PUBLIC SCHOOL CHANDIGARH	95.8%
2019	AISSE (CBSE Board X)	BHAWAN VIDYALAYA PANCHKULA HARYANA	91.6%

## INTERNSHIPS

### AI Engineer Intern | Celebrity Konnections Tech Pvt. Ltd. (Gonuts AI) [Dec 2025 – Present]

- Owned a bi-weekly **AI product pipeline** (Idea → Hypothesis → POC → Evaluate → Ship), converting raw client briefs into production-ready systems
- Architected and shipped an **8-segment personalized video platform** with ElevenLabs TTS, FFmpeg stitching, and GCP orchestration
- Delivered **4+ POC prototypes** spanning facial age prediction (MTCNN + CNN), AI monument photo generation, and portrait video animation
- Drove **cross-functional QC workflow** integrating Google Sheets, Apps Script, and WhatsApp (Gupshup API) for end-to-end delivery tracking

### Founder's Office Intern | Passionett Advisors Pvt. Ltd. [Jul 2025 – Dec 2025]

- Executed **market and competitive research** to support GTM strategy, identifying short-term opportunities & improving launch readiness by **60%**
- Defined and tracked **key success metrics** across student engagement campaigns, driving **70%** follower growth and **2x increase** in interactions
- Spearheaded **Campus Associates** acquisition strategy by designing the recruitment funnel, building a 2-stage hiring pipeline & creating content
- Streamlined **day-to-day operations** across outreach and execution in a startup environment, resulting in **25%** reduction in turnaround time

### Product Intern | Updeed | Mumbai [May 2025 – Jun 2025]

- Defined & prioritized **7+ feature enhancements** in a structured UI/UX document, reducing revision cycles by **40%** and streamlining dev handoff
- Drove **product quality**, leading internal beta testing cycles, identifying **4+** critical bugs and **12+** UI/UX issues, reducing post-release defects by **35%**
- Partnered with engineering team by submitting **detailed bug reports** with screenshots and prioritized severity labels, accelerating resolution
- Iterated on campaign feed layout using **user engagement data**, increasing content visibility by **28%** and improving in-product organic growth

## PROJECTS

### MarketMind AI Stock & News Dashboard | NLP, FinBERT, Sentiment Analysis, Transformers | Self Project [Jun 2025]

- Built an AI-powered stock dashboard analyzing **2,000+** headlines daily, defining **product vision** around real-time market sentiment for retail investors
- Identified **user needs** and engineered a personalized insights engine filtering **150+** tickers by portfolio trends, behavior, and sector volatility
- Integrated and fine-tuned the **FinBERT model** to classify financial news into bullish/bearish/neutral with over **92%** accuracy in tests
- Defined **performance metrics** and optimized news ingestion pipeline with Redis caching, reducing response latency by **60%**

### Option Pricing Models | Flask, scikit-learn, Plotly, Monte Carlo, XGBoost, Financial APIs | Self Project [Jun 2025]

- Built a modular Flask app integrating Black-Scholes, Binomial, and Monte Carlo models, enabling real-time pricing of **5,000+** options/day
- Trained & evaluated gradient boosting and neural network models on **50,000+** records, predicting implied volatility with  **$R^2 = 0.94$**
- Developed a Monte Carlo simulator with **100,000+** paths and antithetic variates, achieving **80%** error reduction over analytical baselines
- Visualized Greeks, IV surfaces, and price sensitivities using **interactive Plotly dashboards**, cutting user analysis time by **65%**

### Real-Time Multiplayer Dots & Boxes Game | React, Node.js, Socket.IO, WebSockets, CSS Grid | Self Project [May 2025]

- Defined **product scope** and launched an interactive multiplayer grid game using React, Node.js, and Socket.IO with online and offline modes
- Iterated on **UX designs** for turn-based game logic with dynamic box claiming, color rendering, and real-time UI updates per player
- Integrated online matchmaking with room creation, **WebSocket communication**, and live player status tracking dashboard
- Optimized **responsive gameboard** with pixel-perfect alignment, interactive grid logic, and polished transitions based on usability feedback

## POSITIONS OF RESPONSIBILITY

### Sponsorship Head | Samudramanathan 2025 | Dept. of Ocean Engg. and Naval Arch. IIT Kharagpur [Aug 2024 – May 2025]

- Secured sponsorship of **INR 0.35M** by onboarding the highest number of companies in 17 editions, achieving a **40% YoY** revenue increment
- Led **cross-functional coordination** across a 3-tier team of 12 Associates, 8 Sub-Heads and 3 GSecs for Asia's Largest Ocean Engineering Fest
- Ideated & conducted **2-stage Paper Prep** event, fostering innovation in ocean engineering and maritime technology, engaging **20+** teams
- Managed the registration portal, on-boarding **500+** participants, driving in-person data verification and accommodation allotment end-to-end

### Core Organising Team Member | KSHITIJ 2024 | Technology Students' Gymkhana, IIT Kharagpur [Aug 2023 – May 2024]

- Spearheaded **Sponsorship, Publicity, and Event** operations with a team of **210+** members, engaging **22,300** participants over **27** events
- Drove **stakeholder acquisition**, securing sponsorships from **16+** companies with a **23% YoY** increment, managing a budget of **INR 1.7M**
- Successfully organized **3 flagship** events end-to-end, engaging **75+** teams, achieved **40% YoY** increase in participation
- Headed a team of **148** Campus Ambassadors, expanding outreach to **400+** schools across India with **30%** more engagement

## SKILLS AND EXPERTISE

**Languages & Frameworks:** Python, C++, JavaScript, TypeScript, Java, SQL, HTML/CSS | React, Next.js, Node.js, Flask, Express.js

**AI/ML & Analytics:** PyTorch, TensorFlow, Scikit-learn, OpenCV, Gemini API, ElevenLabs, FinBERT | Pandas, Plotly, Power BI, A/B Testing

**Cloud, DevOps & Tools:** AWS (SES, Amplify), GCP, Docker, FFmpeg, Firebase | MongoDB, PostgreSQL | Git, Figma, Jira, Notion

## COURSEWORK INFORMATION

**Coursework:** Programming and Data Structures\* | Advanced Calculus | Probability and Statistics | Basic Electronics\* | Linear Algebra, Numerical and Complex Analysis | Applied Computational Methods | Economics | General Psychology

(\*includes laboratory component)

**MOOCs:** Supervised Machine Learning: Regression and Classification | Data Structures and Algorithms – CS50 Harvard University Online

## EXTRA CURRICULAR ACTIVITIES

- Mess Committee Member:** Resolved mess issues, drafted monthly menus, and successfully organized 2 grand dinners for **2000+** students
- NSS Volunteer:** Headed a team of 25 as **Unit Leader**, conducted teaching activities for **70+** school students at Hiradi Village Govt. School