Suyash Mundhe

Software Engineer
Honours in AI
Bachelor of Technology (IT)
K J Somaiya College of Engineering, Mumbai

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Technical Skills

- **Programming Languages**: Java, Python
- **Artificial Intelligence**: Generative AI, LangChain, LLM Integration, Gemini API, Groq, TensorFlow, PyTorch
- **Web Development**: ReactJS, NodeJS, PHP, Django, FastAPI, REST API
- **Application Development**: Flutter, React Native
- **Database Management**: MongoDB, PostgreSQL, SQLite
- **Blockchain**: Solidity, MetaMask
- **Tools**: Figma, GitHub, Twilio

Achievements

- **Research Paper Publication – ICICCT 2025 – Certificate – Research Paper** : Presented a research paper at the 9th International Conference on Inventive Communication and Computational Technologies (ICICCT 2025), published in the Springer Notebook. The paper, titled *"Comparative Analysis of Standard vs. Curriculum-Based Proximal Policy Optimization in High-Dimensional Quadrupedal Locomotion: An Empirical Investigation of Negative Transfer Effects"*.
- **Smart India Hackathon 2024 Winner – Certificate**: Won the national-level competition organized by the All India Council for Technical Education (AICTE) in collaboration with the Ministry of Education and the Institute Innovation Council (IIC), competing against 500+ teams nationwide.

Professional Experience

Pragati.TSP — Mumbai, India
Machine Learning Intern — *Jun 2025 – Aug 2025*

- **Tech Stack**: Langchain, Groq, Neural Networks, MongoDB, TensorFlow, PyTorch
- **My Contribution**: Built a custom neural network chatbot that performs Database-Augmented Generation (DAG) using MongoDB. Researched and implemented a deepfake pipeline that clones user voices from video and generates lip-synced outputs based on custom prompts. Collaborated with clients to understand requirements and present project demos.

Exploria – LOR — Mumbai, India
Frontend Engineer Intern — *April 2025 – June 2025*

- **Tech Stack**: React Native, Figma
- **My Contribution**: Contributed to solving multiple issues in the application, provided strategic inputs and ideas to enhance user engagement and increase daily active users, many of which were appreciated and adopted by the founder. Additionally, designed key pages focused on improving overall user experience and interface intuitiveness.

Key Projects

- **MoneyMind - GenAI based financial assistance – Link** — 2025
  - **Tech Stack**: Python, FastAPI, Google Gemini API, SerpApi, Flutter, Twilio
  - **Purpose**: To build a personalized, AI-powered financial assistant that helps Indian users make smarter investment decisions through risk profiling, real-time insights, and tailored portfolio suggestions.
  - **My Contribution**: Designed and implemented all five core AI agents using Gemini API, defined their roles and interaction logic, and deployed the complete backend on Render with FastAPI for integration with Flutter frontend.

- **SimpleSwastha (SIH Winner) – Link** — 2024
  - **Tech Stack**: ReactJS, Django REST API, LangChain, Twilio
  - **Purpose**: Solving queuing models in OPDs, bed availability, and patient admission with a hospital-based solution integrated with city-wide modules.
  - **My Contribution**: Built a responsive frontend, developed an AI chatbot using LangChain, and implemented crucial features that helped win the national competition.

Leadership Experience

Student Council, K.J. Somaiya College of Engineering — Mumbai, India
Jt. Social Head — *July 2023 - July 2024*

- **My Contribution**: Managed Parvaah, the college's social initiative, and led several impactful community-driven events such as education drives, beach cleanups, and food donation campaigns, fostering community engagement and social responsibility.