

## Pratyush Shankar

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## Objective

Aspiring full-stack developer and future startup founder with strong foundations in MERN stack, Python, C++, and AI integration. Seeking opportunities to solve real-world problems through innovative, scalable tech products, with a long-term goal of building impactful startups in the Bay Area.

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## Education

### B.Tech in Information Technology

Manipal University Jaipur, India  
Aug 2023 – May 2027 (Expected)

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## Technical Skills

- **Languages:** JavaScript, Python, Java, C, C++, SQL
  - **Web Development:** HTML5, CSS3, TailwindCSS, React, Node.js, Express.js, Next.js
  - **Databases:** MongoDB, MySQL
  - **Tools & Platforms:** Git, GitHub, VS Code, Cursor
  - **Libraries/Frameworks:** FastAPI, NumPy, Pandas, Matplotlib, scikit-fuzzy
  - **Others:** REST APIs, Responsive UI, AI Integration (LLMs, HuggingFace), Fuzzy Logic, Basic Blockchain
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## Projects

### 🧠 Fuzzy Logic-Based Fitness Planner

*Personalized fitness planner based on fuzzy logic for gym and diet recommendations*

- Created fuzzy inference systems using scikit-fuzzy
- Built a full-stack web interface using Flask and TailwindCSS
- Focused on user fitness goals, fatigue, diet, and motivation level

### 🌐 Modern Athlete Tracker

*AI-powered platform to track athlete training, diet, and recovery*

- Researched integration of AI/LLM APIs for workout suggestions
- Explored user retention strategies and psychology behind app usage

## Skill Verification with Blockchain (Hackathon)

*Decentralized skill certification platform using immutable credentials*

- Led backend development for tamper-proof skill validation
  - Researched DeepSeek and open-source LLM deployment for smart grading
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## Experience

### Independent Developer & Learner

Self-Driven | Aug 2023 – Present

- Built 4+ full-stack applications using the MERN stack and Python
  - Applied AI concepts and explored open-source model deployment
  - Continuously learning software engineering and startup strategies
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## Certifications & Courses

- Web Development with React – Coursera (2023)
  - Data Structures and Algorithms in C++ – Udemy (2024)
  - Introduction to Soft Computing – NPTEL (2024)
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## Achievements & Extracurriculars

- Researched and wrote academic papers on **Quantum Communication** and **Soft Computing Applications**
- Self-learned MERN stack and AI integration while balancing academics and fitness
- Active gym-goer with a fitness journey since May 2023, combining physical training and discipline with software development
- Volunteer for local tech communities and online hackathons