KRISHNA CHAMARTHY

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PROFILE

Detail-oriented and impact-driven **Computer Engineering** undergraduate with a passion for building scalable, customer-centric applications. Strong foundation in **data structures**, **distributed systems**, and **full-stack development**. Eager to create innovative solutions at global scale in a fast-paced Agile environment.

EDUCATION

MIT World Peace University, Pune - B.Tech CSE (AUG 2022 - MAY 2026)
Bachelor of Technology in Computer Science
CGPA: 8.77/10
MIT WPU Merit Scholarship holder for 3 consecutive years
12th - The Orbis School, Pune - **91.2% - 2022**
10th - MIT VGS CBSE, Pune - **96.4% - 2020**

SKILLS

Technical Skills:
- **Languages:** Python, C++, C, HTML, CSS, JavaScript, SQL
- **Frameworks & Libraries:** React, Node.js, Flask, Pandas, NumPy, Scikit-learn
- **Databases:** MongoDB, MySQL, PostgreSQL
- **Tools & Platforms:** Git, Docker, Streamlit, Postman, AWS
- **Machine Learning:** Regression, Classification Model Training, Predictive Analytics, Data Visualization
- **Web Development:** RESTful APIs, Responsive Design, Server-Side Rendering, API Integration

Soft Skills: Clear technical communication, Effective teamwork, Time management, Quick adaptability, Attention to detail

EXPERIENCE

- **Software Development Intern (Upcoming)**
  Northern Trust Corporation – Pune, India | **JUN 2025 - NOV 2025**
- **Technical Team Member** - Student Club
  Google Developer Student Clubs, MIT-WPU - Pune, India | **SEPT 2023 - FEB 2024**
  - Mentored junior developers on coding principles and best practices in hands-on sessions.
  - Participated in organizing and coding key modules for university-level hackathons and workshops.

PROJECTS

Exoplanet Detection and Classification - Python (Published RBUCON2025)   **GitHub, Paper**
- Expanded a machine learning-based system to detect and classify exoplanets using data from the **Kepler Space Telescope**, improving **accuracy** to **99.5%,** enabling more reliable detection of habitable exoplanets
- Optimized the model through cross-validation and hyperparameter tuning, **reducing false positives** by **15%.**

College Management System - React, Node.js, MongoDB   **GitHub**
- Developed a comprehensive **college management system** for student and faculty management, improving administrative efficiency.
- Utilized **React** for a dynamic user interface, **Node.js** for server-side logic, and **MongoDB** for data storage, to streamline operations.
- Implemented role-based **authentication**, **dynamic dashboards**, and **automated report generation.**

FactChain - Decentralized Wikipedia - Solidity, IPFS, React.js, Node.js, Web3.js   **GitHub**
- Built a **decentralized application** enabling users to submit, verify, and explore factual claims using **Ethereum smart contracts** and **IPFS**.
- Engineered a **trust-weighted voting** and reputation system that improved community moderation accuracy by **35%**, reducing false claims surfaced.

CurrExch - Currency Converter - Python, Dockerfile, Streamlit   **GitHub**
- Developed a real-time currency converter using **Python** and **Streamlit**, featuring a user-friendly dashboard that supports **150+ currencies** and integrates **live exchange rate APIs** for up-to-date values.
- Added **historical trend analysis** and **AI-based predictive modeling** accurate upto **87%**, to forecast future exchange rates, enhancing financial decision-making.

Personal Portfolio - React (JS), CSS, HTML   **GitHub**
- Designed a **clean** and **interactive** layout for the portfolio, implementing React Router for **seamless navigation** and ensuring **compatibility** across various screen sizes with responsive design techniques.
- Created a dynamic Projects Section with **6+ projects**, to display detailed descriptions, images, and links to **live demos** and **GitHub repositories**, while maintaining a **user-friendly interface** throughout.

ACHIEVEMENTS

- **1st Runner Up - HACKMIT 2025 Hackathon** - MIT World Peace University
- **Finalist - Smart India Hackathon, 2025** - Pune
- **Finalist - HackIndia, 2025** - Hyderabad
- **MIT WPU Merit Scholarship for consecutive 3 years** - MIT World Peace University

CODING PROFILE

- Achieved **1500+ rating** on **LeetCode**, solving over **240 problems.**
- Active in **Codeforces**, solving over **85 problems.**
- Achieved **5 Star Rating** in **Python** and **C++** in **Hackerrank**.

CERTIFICATES

- **Machine Learning A-Z: AI, Python** - Udemy (Nov 2024) **- Certificate**
- **100 Days of Code: The Complete Python Pro Bootcamp** - Udemy (Jun 2024) **- Certificate**
- **The Complete 2023 Web Development Bootcamp** - Udemy (May 2024) **- Certificate**