

Shubham Chakrawarti

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Professional Summary

AI/ML Engineer, Data Analyst, Full Stack Developer, and Cybersecurity Specialist with strong expertise in data-driven decision making, machine learning, secure application development, and analytics. Experienced in EDA, dashboarding, predictive modeling, and deploying secure AI systems. Backed by certifications from IIT Madras, Google, Microsoft, and IBM.

Technical Skills

- **Programming Languages:** Python, JavaScript, TypeScript, Java, SQL, C, C++, Bash
- **AI & Machine Learning:** TensorFlow, Keras, Scikit-Learn, NLP (NLTK, SpaCy), Computer Vision (OpenCV), Generative AI
- **Data Science & Analytics:** EDA, Feature Engineering, Regression, Classification, Time Series Analysis
- **Data Visualization:** Matplotlib, Seaborn, Tableau, Power BI
- **Full Stack Development:** React.js, Node.js, Express.js, MongoDB, Flask, REST APIs, Tailwind CSS, HTML, Angular
- **Cybersecurity:** Web Security, Secure Authentication, API Security, OWASP Top 10, Ethical Hacking Fundamentals
- **Tools & Platforms:** Git, GitHub, Docker, Linux, Figma, AutoCAD, AWS, Azure, CI/CD

Key Projects

Hiring Assistant Chatbot | [live](#)

- AI-powered chatbot that screens candidates by asking dynamic technical questions based on their tech stack.

Sonoma AI Multimodal Platform | [live](#)

- Full-stack multimodal AI platform providing audio and video captioning using React and Express.

AI Medical Diagnosis System | [live](#)

- Python-based ML system assisting healthcare professionals with accurate medical diagnosis.

AI Recipe Finder | [live](#)

- NLP-powered web application that suggests recipes based on available ingredients.

Google Maps Clone | [live](#)

- Modern maps clone featuring pan/zoom navigation, geocoding, interactive markers, and route plotting using React, Leaflet, Mapbox, and Geolocation.

Sales Analytics Dashboard | [live](#)

- Interactive KPI dashboard for sales performance, built with React charts and Node aggregations. Drill-down insights and filtering supported.

Experience

YBI Foundation

Oct 2024 - Feb 2025

AI/ML Internship Trainee

- Processed and visualized two real-world datasets using Pandas and Matplotlib to uncover insights
- Built and evaluated predictive ML models
- Developed and evaluated LSTM models for sales forecasting, achieving a 15% increase in accuracy.

Education

Parul University

B.Tech, Computer Science & Engineering (Artificial Intelligence)

- **GPA:** 7.8/10

Certifications

- IIT Madras – Internet of Things (IoT)
- IIT Madras – Theory of Computation
- IIT Madras – Computer Networks
- Google Data Analytics – Google
- Google Generative AI – Google
- Microsoft Machine Learning – Microsoft
- Microsoft AI Fundamentals – Microsoft
- IBM Data Analyst – IBM

Extracurricular

Extracurricular Activities & Leadership

- Hackathon Participation (2025)
- PuHackathon 2025 – Participant; developed an innovative tech-based solution
- Event Management – Managed Stylus Events UGJIS
- Coding Club Member – Active participant in coding and UX/UI design communities
- Design Lead for Hackathons & Projects – Led UI/UX design for multiple team projects

Languages

- English
- Hindi
- Marathi