

Swadha Khatod



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EDUCATION

- Bachelor of Technology in Computer Science** 2022-2026
K.J. Somaiya College of Engineering **CGPA: 9.58**
Honors in Cyber Security
- 12th HSC Percentage: 94%
- 10th HSC Percentage: 95.4 %

EXPERIENCE

- Technology Summer Intern** | Barclays (Customer Digital & Data, MSI) 2025
Duration: 8 Weeks
Domain: Financial Technology (FinTech)
 - Built end-to-end features for a platform that automated the operational side of the home-loan (mortgage) process, delivering real-time visibility into application status for operations teams.
 - Implemented interactive dashboards using Angular and backend services in .NET Core; designed and consumed RESTful APIs to expose pipeline and status data.
 - Queried and optimized data access with SQL Server and Entity Framework, and implemented caching, structured logging, and data-pipeline best practices to improve reliability and observability.
 - Tech:** Angular, .NET Core, SQL Server, Entity Framework, caching, logging, data pipelines, API design
- Research Internship** | Crime Prevention using Machine Learning 2024
Duration: Semester-long
Domain: Machine Learning
 - Conducted crime forecasting by predicting age and gender based on crime type and geographical location, experimenting with multiple machine learning models to determine the most accurate approach.
 - Deployed a web application using Flask to demonstrate the forecasting capabilities.
 - Processed a large dataset of crime-related CCTV footage to develop a crime detection system, evaluating various machine learning models to enhance accuracy and reliability.

• **Web Development Internship** | Internship Portal Development

2024

Duration: 2 months

Domain: Frontend Development

- Collaborated as part of the frontend team to design and develop an internship portal using the MERN stack (MongoDB, Express.js, React.js, Node.js).
- Utilized Tailwind CSS for creating responsive and visually appealing user interfaces.
- Contributed to building features that streamlined internship applications, profile management, and faculty-student interactions.

PROJECTS

• **SIH '24 Project | Edunext: AI Powered Career Guidance Program**

Github

Domain: Full Stack Web Development, Blockchain , AI, Machine Learning

- Focused on frontend development, ensuring a seamless and gamified user experience using the MERN stack and Tailwind CSS.
- Integrated blockchain technology using Solidity to enhance transparency and security for user data.
- Collaborated on connecting diverse components, including machine learning models in Python and third-party APIs, to deliver features such as: AI Psychometric Quiz for personalized career recommendations, Career Path Generator with salary insights and timelines, Role-Playing Game (RPG) for immersive career exploration, Career AI Agent offering multilingual, real-time guidance, Accessibility Features to support visually impaired users.

• **Full Stack Web Development Project | SupplyChainIQ**

Github, Vercel

Domain: Full Stack Web Development, AI, Machine Learning

- Developed SupplyChainIQ, an AI-driven platform for optimizing supply chain operations using the MERN stack, deployed on Vercel.
- Integrated features such as real-time inventory tracking with low-stock alerts, order management with status updates, logistics tracking for shipment progress and delivery times, and automated supplier notifications via email and SMS.
- Leveraged predictive analytics to enhance efficiency in inventory, orders, and logistics management.

SKILLS

- **Languages:** Java, Python, JavaScript, C, PHP, SQL, HTML, CSS, JSON
- **Libraries/ Frameworks:** React.js, Bootstrap, Tailwind CSS, Node, Express, Mongoose, Tensorflow, Keras, Pandas, NumPy, OpenCV, Matplotlib
- **Development Tools:** VSCode, Git, Github, Xampp, PostgreSQL, Figma, Vercel, Postman, Docker, MongoDB Atlas/Compass
- **Soft Skills:** Problem Solving, Team Collaboration, Time Management, Multitasking, Creative Thinking