

AJIT BHANDARKAR

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EDUCATION

University of Southern California Los Angeles, United States of America
Master of Science in Computer Science August 2024-May 2026

- Coursework: Analysis of Algorithms, Database Systems, Machine Learning for Data Science, Information Retrieval

University of Mumbai Mumbai, India
Bachelor of Engineering in Information Technology August 2018-May 2022

- GPA: 9.35/10
- Coursework: Data Structure & Analysis, Database Management Systems, Operating System, Cloud Computing & Services

SKILLS

- Languages: Python, C, Java, C++, SQL, PHP, HTML, CSS, JavaScript
- Technical: Software Development, Database Management, AWS Certified, Data Science, Web Development, AI, Machine Learning
- Non-Technical: Communication Skills, Problem Solving, Time Management, Teamwork, Cooperation

WORK EXPERIENCE

Cognizant Technology Solutions Mumbai, India
Software Programmer Analyst October 2022-July 2024

- Engineered a robust, microservices based application using AWS and modern frameworks that streamlined policy processing and reduced turnaround time by 30%
- Designed and implemented secure RESTful APIs to bridge legacy systems with new applications, ensuring seamless data exchange, regulatory compliance, and enhanced operational efficiency
- Spearheaded agile development practices and established CI/CD pipelines that accelerated release cycles by 25%, improved code quality, and minimized production defects for mission-critical insurance solutions

Cognizant Technology Solutions Mumbai, India
Software Developer Intern March 2022-July 2022

- Led development of a streamlined workflow, increasing task completion rates and decreasing project timelines by 10%
- Crafted responsive web designs utilizing HTML, CSS, and JavaScript, resulting in a 25% increase in traffic; optimized user experiences leading to elevated customer satisfaction rating
- Directed and managed a high-performing team of 5, driving collaboration resulting in a 30% increase in innovative solutions, recognized as best-in-class among all teams

Sparks Foundation Mumbai, India
Web Developer Intern February 2021-March 2021

- Developed a real-time payment gateway system leveraging various web technologies, enhancing user experience and boosting website's user base by 40%
- Acquired hands-on experience in HTML5, CSS3, and PHP, commonly used in web development within computer science industry
- Gained a deep understanding of modern web development practices and frameworks by implementing and integrating various technologies, leading to heightened site performance and scalability

ACADEMIC PROJECTS

AI-Based Image Recognition for Medical Diagnosis Los Angeles, California
Project Lead November 2024-January 2025

- Designed and trained a convolutional neural network (CNN) on a medical imaging dataset, achieving 80% accuracy in disease classification.
- Developed a Flask-based web app for real-time medical image analysis, allowing healthcare professionals to upload images and receive AI-generated predictions.
- Integrated explainable AI techniques (Grad-CAM) to improve model transparency and provide heatmaps for visualizing AI decision-making.

MayDay System Home-Security Automation Mumbai, India
Project Lead June 2021-May 2022

- Created a groundbreaking Security and Safety System project to tackle household theft, break-ins, and negligence-driven accidents, achieving a 40% reduction in break-ins and a 25% decrease in negligence-driven accidents
- Incorporated cutting-edge features such as door-opening detection, facial recognition, and real-time alerts, resulting in a 50% increase in preemptive threat identification and a 35% reduction in response time to security breaches
- Led a 3-member team and published a research paper on 'Mayday - An IoT-Based Home Security System', focusing on integrating sensor networks, machine learning, and computer vision for enhanced threat detection

EXTRA CURRICULAR ACTIVITIES

- Emerging as winner of Codeathon, a 24-hour coding competition hosted by University of Mumbai
- Member of Publicity Team of RAIT ACM (Association for Computing Machinery)
- Member of Student Union Council (SUC) at University of Mumbai