

AMIT PAL

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Education

Vellore Institute of Technology

Bachelor of Technology in Computer Science

Jun. 2021 – May 2025

Bhopal, Madhya Pradesh

Tirathbai Kalachand School

Higher Secondary Education

Apr. 2020 – Mar. 2021

Indore, Madhya Pradesh

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Artificial Intelligence
- Internet Technology
- Software Engineering
- Systems Programming
- Machine Learning
- Database Management

Technical Skills

Programming Languages: Java, Python, C++, HTML/CSS, JavaScript, SQL

Developer Tools: VS Code, IntelliJ IDEA, Git, Jenkins, VMware Workstation, VirtualBox

Technologies/Frameworks: Google Cloud Platform, Django, Express.js, AngularJS, Linux, TensorFlow, OpenCV, React.js, Bootstrap

Experience

Avenirya Solutions

Software Development Engineer Intern

Feb. 2024 – Jul. 2024

Pune, Maharashtra

- Enhanced web applications and APIs, reducing load times by 25% and boosting customer satisfaction.
- Implemented automated testing, cutting post-release issues by 60%.
- Automated test result aggregation and code deployment with Python, PowerShell, and Jenkins, reducing manual tasks by 70%.
- Improved system reliability and reduced manual errors by automating build and deployment processes.
- Leveraged Jenkins for CI/CD, automating code deployment, testing, and report generation, cutting manual intervention time by 70%.

Projects

Sign Language Recognition | *Python, TensorFlow, OpenCV*

Jul. 2024

- Developed a sign language recognition system with Python, TensorFlow, and OpenCV, achieving 92% accuracy in real-time gesture translation.
- Trained a CNN on sign language gestures, achieving over 90% recognition accuracy.
- Utilized OpenCV for real-time gesture detection, achieving 95% accuracy even in low-light conditions.
- Created a responsive interface displaying recognized text in under 0.3 seconds for seamless communication.

E-Commerce Website | *HTML, CSS, JavaScript, Python, SQL*

Sept. 2022

- Developed an e-commerce website with HTML, CSS, JavaScript, and SQL, increasing engagement by 40% and sales by 25%.
- Designed a responsive interface, enhancing mobile experience by 50% and reducing bounce rates by 30%.
- Implemented key features like product listings, authentication, and order management, improving order efficiency by 20%.
- Integrated secure payment gateways, boosting customer trust and repeat purchases by 15%.

Leadership / Extracurricular

- Led the CSE Core Branch Cricket Team to a top 3 finish in a university tournament, showcasing strategic leadership and team coordination.
- Earned Leetcode 100 Day Badge (2023-2024) by solving 500+ problems.
- Core Member of the Data Science Club; organized 5+ events, boosting engagement and club membership by 20%.

Certificates

- Cybersecurity Skilling Program, IIT Kanpur (Jun. 2023 – Aug. 2023).
- Overview of Space Science and Technology, ISRO (Jul. 2023 – Aug. 2023).
- Coursera Certified Architecting Solutions on AWS
- Coursera Certified Applied Machine Learning in Python
- Artificial Intelligence, Wissenaire - IIT Bhubaneswar