






MANISH YADAV

Software Engineering Student | AI & Machine Learning Enthusiast

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Bhopal, India

EDUCATION

VIT Bhopal University | *Bhopal, India*

Bachelor of Science in Computer Science - Artificial Intelligence & Machine Learning

Expected Graduation: June 2027 | **CGPA:** 7.03/10

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Software Engineering, Database Management Systems, Computer Networks, Distributed Systems, Machine Learning, Object-Oriented Programming

The Asian Public School | *Bhopal, India*

All India Senior School Certificate Examination (CBSE) | May 2022 | **Percentage:** 80%

TECHNICAL SKILLS

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

Web Technologies: React.js, Next.js, Node.js, Django, Flask, HTML5, CSS3

Databases: MySQL, SQL, Database Design, Query Optimization

Cloud Platforms: Amazon Web Services (AWS), Google Cloud Platform (GCP), IBM Cloud

DevOps & Tools: Docker, Kubernetes, Jenkins, Ansible, Git/GitHub, Linux/Unix

Machine Learning: TensorFlow, PyTorch, Keras, Transformers, OpenCV, Scikit-learn

Operating Systems: Linux (Ubuntu, CentOS), Unix, Windows

Software Development: RESTful APIs, Microservices, Agile Development, Software Design Patterns

EXPERIENCE

AIS Distribution Services Limited | *IT Intern* | March 2025 - June 2025

Head Office, Gurugram, India

- Contributed to enterprise IT infrastructure development and system optimization projects
- Collaborated with cross-functional teams on technology solutions for distribution systems
- Gained hands-on experience in enterprise software systems and business process automation

- Worked on database management, system monitoring, and technical documentation of IT processes
- Supported IT operations for large-scale distribution network management serving 500+ locations

ISP Internshala | *Campus Ambassador* | 2024

- Promoted technical programs to 500+ students, achieving 25% conversion rate
- Developed marketing strategies and lead generation processes
- Collaborated with cross-functional teams for event coordination

Vitronix Club | *CORE Technical Member* | August 2023 - Present

- Led technical event planning and execution for 200+ participants across multiple domains
- Designed UI/UX interfaces and created promotional content using modern web frameworks
- Mentored 15+ junior members in software development and project management methodologies

Mood Indigo Squad | *Technical Team Member* | IIT Bombay | November 2023

- Coordinated technical events and managed online registration systems for 5000+ participants
 - Handled public relations and support for India's largest college cultural festival
 - Collaborated with distributed teams across multiple universities for event execution
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PROJECTS

Glide - Urban Transportation Platform

Tech Stack: React.js, Node.js, MySQL, RESTful APIs, HTML5, CSS3

- Developed full-stack cab and bike booking platform handling 1000+ concurrent users
- Implemented real-time booking system with 99.5% uptime using Node.js backend
- Built responsive frontend with React hooks and optimized state management
- Designed scalable database schema with efficient indexing, reducing query time by 40%
- Integrated secure payment gateway with error handling and fraud detection

Railway Ticket Checkpoint - QR Verification System

Tech Stack: React.js, Node.js, SQL, QR API, Cryptographic Libraries

- Created digital ticketing solution with QR code generation and real-time verification
- Implemented secure authentication system with 99.9% verification accuracy
- Built admin dashboard with analytics, reducing manual inspection time by 60%
- Designed RESTful APIs serving 500+ requests per minute with load balancing

- Applied software design patterns including MVC and Observer for maintainable code

AI Photo Generation System

Tech Stack: Python, TensorFlow, PyTorch, OpenCV, Hugging Face Transformers

- Developed AI-powered image generation system using Diffusion Models and GANs
- Optimized training pipeline reducing inference time by 45% through model compression
- Built scalable REST API architecture handling 100+ concurrent image generations
- Implemented efficient data pipeline with parallel processing for training datasets
- Created intuitive user interface with real-time preview and batch processing capabilities

Distributed Cache System *(Personal Project)*

Tech Stack: Java, Redis, Docker, Kubernetes, Linux

- Built distributed caching system with consistent hashing for horizontal scaling
 - Implemented load balancing and fault tolerance mechanisms
 - Deployed using Docker containers with Kubernetes orchestration
 - Achieved 95% cache hit rate with sub-millisecond response times
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ACHIEVEMENTS & CERTIFICATIONS

Technical Achievements:

- Solved 250+ Data Structures & Algorithm problems on LeetCode, CodeForces, GeeksforGeeks
- Selected for President Education Immersion Program - Advanced Robotics, NTU Singapore
- Team Management Committee Member - Advitya 2024 (Technical Festival)

Professional Certifications:

- IBM AI Engineering Professional Certificate | October 2024
 - Microsoft Cloud Computing Certification | June 2024
 - TCS IT Foundation Skills Certification | January 2024
 - Accenture Digital Skills: Artificial Intelligence | October 2023
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LEADERSHIP & EXTRACURRICULAR ACTIVITIES

Technical Leadership:

- Led development team of 5 members for college technical fest projects

- Organized coding competitions and technical workshops for 100+ students
- Mentored 15+ junior students in competitive programming and software development

Community Involvement:

- Active contributor to open-source projects on GitHub
 - Volunteer for technical literacy programs in local schools
 - Regular participant in hackathons and coding competitions
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ADDITIONAL INFORMATION

Languages: English (Fluent), Hindi (Native)

Interests: Distributed Systems, Machine Learning, Competitive Programming, Stock Market Analysis, Cryptocurrency, Large Language Models

Availability: Available for 10-12 week internship starting May 2026

Preferred Locations: Bengaluru, Hyderabad, Pune (as per Google internship requirements)