

Aarti Harish Nemade

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SUMMARY

Software Engineering graduate student with 3+ years of experience in software development and project management. Skilled in database design, cloud platforms, object-oriented programming, and automation. Seeking internships opportunities for summer 2025 to apply and enhance my expertise in software engineering

EDUCATION

Arizona State University, AZ, USA

(Aug 2024 – May 2026)

Master of Science (M.S.) in Software Engineering

Relevant coursework: Adv. Data Structures and Algorithms, Foundation of Software Engineering, Semantic Web

Savitribai Phule Pune University, Pune, India

(Aug 2015 – May 2019)

Bachelor of Engineering (B.E) in Electronics & Telecommunication

6.35/10.00 GPA

Relevant coursework: Data Structures & Algorithm, Machine Learning, Operating Systems, Object Oriented Programming

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, TypeScript, C, C++, SQL, HTML, CSS

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

Technologies: Machine Learning, Big Data Analytics, Docker, Kubernetes, IoT (Internet of Things), NoSQL, PostgreSQL, MySQL

Tools: Git, Github, Jenkins Pipeline, Android Studio, PyCharm, Microsoft Office, Ansible, VS Code, Eclipse

PROFESSIONAL EXPERIENCE

Neharika Enterprises, Pune — Full-Stack Developer

(Sept 2022 – Jun 2024)

- Designed and developed scalable web applications using React, Node.js, and MongoDB, implementing RESTful APIs and WebSocket connections for real-time data updates, improving user engagement and application performance.
- Enhanced application efficiency by optimizing performance through code splitting and lazy loading techniques, resulting in a 40% reduction in load times while maintaining cross-browser compatibility.
- Led automated testing initiatives with Jest and Cypress, ensuring code reliability and reducing production bugs by 25%, while collaborating in an Agile environment with CI/CD processes.

Amdocs, Pune — Trainee RF Engineer

(Oct 2021 – Aug 2022)

- Drafted and deployed fiber cable to the end point using Aramis tool for AT&T
- Collaborated with AT&T to ensure successful planning & design of FTTH, FTTN, and FTTB projects, including deployment of fiber cable to end points utilizing Lighting F2 technology

CCA Education Private Limited, Pune — Software Development Intern

(Nov 2019 – Oct 2021)

- Designed and developed microservices architecture using Java Spring Boot and RESTful APIs, enabling scalable, distributed systems and improving response time by 37%.
- Led the migration of a monolithic application to a cloud-native solution with Docker and Kubernetes on AWS (ECS, EKS), enhancing deployment speed and scalability by 45%.
- Developed and maintained CI/CD pipelines using Jenkins and GitLab CI, automating build, testing, and deployment processes, achieving 100% uptime in production environments.

ACADEMIC PROJECTS

Library Management System - (Java, MySQL, JDBC, JavaFX, Git)

(Feb 2023 – Jul 2023)

- Developed a JavaFX desktop app integrated with MySQL to manage library operations, including cataloging, user roles, and transactions.
- Implemented 30% faster search optimization, automated notifications, and report generation, while using Git for version control and collaboration.

Stock Price Prediction Using Machine Learning - (Pandas, NumPy, Scikit-learn, TensorFlow)

(Sep 2021 – Feb 2022)

- Worked on a project that involved using machine learning algorithms to predict stock prices based on historical data, technical indicators, and market sentiment analysis.

XBuyer.com - (HTML, CSS, JavaScript)

(Jan 2019 – May 2019)

- Built a responsive e-commerce website for buying and selling second-hand items using HTML, CSS, and JavaScript, as well as the Bootstrap framework and the Django backend.

COURSES & CERTIFICATIONS

AWS re/Start- INMUM23

(Dec 2022 – Mar 2023)

- Completed comprehensive training on AWS services (EC2, IAM, VPC, CloudTrail, databases), DevOps, Amazon principles

Pre-cat Course by Sunbeam

(Oct 2019 – Dec 2019)

- Aptitude, C programming, data structures, data communication & networking, OOP concepts (C++) & OS

PUBLICATIONS

- AI-Enabled Black Hole Detection and Deflection: A New Frontier in Astrophysics -**

(July 2023 – Sep 2023)

International Research Journal of Engineering and Technology (IRJET) Volume 10, Issue 9, September 2023, S.No:24
URL: <https://www.irjet.net/archives/V10/i9/IRJET-V10I924.pdf>

- Understanding the nature of Consciousness with AI -**

(Jan 2023 – Aug 2023)

International Research Journal of Engineering and Technology (IRJET) Volume 10, Issue 8, August 2023, S. No: 149
URL: <https://www.irjet.net/archives/V10/i8/IRJET-V10I8149.pdf>