

ABINAYA SHREE D

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PROFILE

Motivated Computer Science graduate (2025) with strong foundations in data structures, algorithms, and backend development. Experienced in building scalable applications using Java, Python, Spring Boot, and REST APIs. Passionate about solving real-world problems with innovative software solutions and eager to contribute to cutting-edge projects as a Software Engineering Apprentice at Microsoft.

WORK EXPERIENCE

Web Development Intern - Cybertracs Technologies & Research Pvt Ltd (07/2024 – 08/2024)

- Built REST APIs with Spring Boot, reducing response time by 30%.
- Secured authentication & optimized MySQL to handle 10K+ records.

Data Science Intern - SD Solutions

(08/2024 – 09/2024)

- Designed ETL pipelines & dashboards with Spring Boot.
- Enhanced data accuracy by 20% via preprocessing & MySQL optimization.

PROJECTS

Smart Parking System

- Real-time parking management with Spring Boot, MySQL, IoT sensor integration, and low-latency REST APIs

BookNest

- Secure Spring Boot backend with JWT auth and optimized MySQL queries for a book management system

AI - Powered NFT Marketplace

- Built a decentralized NFT platform using solidity MERN stack & IPFS, integrated AI-based price prediction with alerts & chatbot.

SKILLS

- Core cs : Data Structures & Algorithms, Operating Systems, DBMS, Computer Networks.
- Languages: Java, Python, C++, C
- Backend: Spring Boot, REST APIs
- Databases: MongoDB, MySQL
- Clouds/ Devops: AWS (Basics), Git, Github Actions
- Architecture: OOPs
- APIs: RESTful APIs
- Soft Skills: Confident Public Speaking & Technical Presentation, Fast Learner with Curiosity for Emerging Tech, Clear Verbal and Written Communication, Attention to Detail in Development

CERTIFICATIONS

- Python 3.x — Hands-On Programming (2022)
- MongoDB Node.js Developer Path (SmartBridge , 2024)
- Cisco Network Essentials (2024)

EDUCATION

Alpha College of Engineering - Bachelor of Engineering in Computer Science and Engineering CGPA: 8.5 (2021 – 2025)

ACHIEVEMENTS

- Cambridge BEC Preliminary: Passed with Merit
- SkillRack: Python 3.x Programming and Challenges Certification
- IEEE Member - Alpha College Of Engineering