

# Sharyu Patil

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## Summary:

Experienced software engineer with a strong customer focus and a passion for solving complex problems. Skilled in building scalable and secure back-end solutions using the latest technologies. Adept at working in agile environments and collaborating with diverse teams to deliver cutting-edge products. Committed to continuous learning and staying up-to-date with industry trends.

## Work Experience:

### Software Developer Intern - [TECHNICALHUB](#)

Oct 2021 – Dec 2021

Designed and developed a flexible CodeMind Problem Setter Dashboard using HTML, CSS, and JavaScript, empowering authenticated users to seamlessly upload and manage coding problems.

Significantly improved user engagement by implementing the Problem Setter Dashboard, resulting in a notable 10% increase in user interaction.

Developed customer-centric offerings by identifying problems, proposing solutions, and collaborating with cross-functional teams to deliver effective results.

Utilized domain modeling techniques to gain a deep understanding of customer requirements and ensure product excellence.

Designed and structured software with a focus on testability and maintainability, facilitating smooth evolution and continuous improvement.

Implemented solutions with scalable architectural patterns, incorporating the latest technologies and industry trends.

Developed secure code to protect customers and the organization from potential threats.

Investigated and resolved issues promptly, ensuring zero downtime during product releases.

## Education:

Bachelor of Technology in Computer Science and Engineering | Aditya Engineering College, Surampalem | 2019-2023

CGPA: 8.33

## Skills:

Programming Languages: Java, Scala, Kotlin, C++

Testing: Unit Testing, Mocking Frameworks, Component Testing, Integration Testing, End-to-End Testing

Continuous Integration/Continuous Delivery (CI/CD) Pipelines

Security: Security Frameworks/Standards, Data Streaming, Messaging Frameworks (Kafka, Spark), Distributed Tracing, Monitoring (Zipkin, Prometheus, ELK Stack, Micrometer Metrics)

Containers: Docker, Kubernetes

Cloud Technologies: AWS, GCP, Azure

Frameworks: Spring, Spring Boot, Guice

Architecture: Microservices Architecture, RESTful APIs

Databases: Relational Databases, MongoDB

Web Technologies: HTML, CSS, JavaScript

Agile Methodologies

Excellent problem-solving and analytical skills

Strong written and verbal communication skills in English

## **Projects:**

**Portfolio Website** | [GithubLink](#) | [Live](#)

Technologies used: Django, HTML, CSS, SQLite3, PythonAnywhere cloud

Developed and published a dynamic portfolio website using Django and SQLite3 on PythonAnywhere cloud platform, featuring responsive design, modular components, optimized static file management, database migrations, Django admin interface, version control systems, and robust website security for an exceptional online presence.

**CryptoMan** [GithubLink](#) | Collaborative Project

Technologies used: React, Firebase, MaterialUI, Chart.js, API's

Enhanced Crypto Currency display with seamless integration of Axios and CoinGecko API, delivering real-time and accurate data for an improved user experience.

Achieved secure user authentication through Google Authentication, reducing login errors by 40% and significantly enhancing user experience in the trading practice feature.

**Blog Website** [GithubLink](#)

Technologies used: HTML, CSS, EJS, Node.js, MongoDB

Developed a feature-rich blog app using EJS, HTML, CSS, and Node.js server-side rendering for a seamless user experience.

Integrated MongoDB Atlas as the cloud-based backend, enabling secure storage of blog data and implementing full CRUD functionality for enhanced usability.

**Data Fetching Optimization** [GithubLink](#)

Technologies used: IndexedDB, MongoDB, Node.js, JavaScript

Created a high-impact Chrome extension that leverages IndexedDB for fast initial data retrieval, efficiently loads remaining data from cloud-based atlas storage, and achieves a remarkable 70% improvement in user experience and performance.

#### **Achievements:**

- **4 Star** coder at **CODECHEF** with maximum rating (1893). [Link](#)
- Achieved **All India Rank 20** in Atcoder Regular contest 150. [Link](#)
- **Pupil** at **CODEFORCES**. [Link](#)
- **Green** coder at **Atcoder**. [Link](#)
- Secured **3<sup>rd</sup> place** in SQL query Competition organized by **Oracle Academy**. [Certificate](#)
- Solved **800+** problems in Leetcode . [Link](#)
- Solved **600+** problems in GeeksForGeeks. [Link](#)
- Ranked below **1400 in Google Kickstart**
- Achieved a 100% completion rate in all five levels of the highly selective **Google Foobar Challenge**, showcasing advanced coding and problem solving skills.

#### **Softskills:**

Ability to work collaboratively and mentor team members on best coding practices and design principles. Proven experience in dynamic, agile environments, focusing on meeting customer needs promptly. Strong belief in diversity and inclusivity, promoting a positive and productive team culture. Technically curious and adaptable, embracing innovative solutions to complex challenges.

#### **Course Work:**

Data Structures and Algorithms, Database Management Systems, Operating Systems, Object Oriented Programming, Computer Networks, Design and Analysis of Algorithms.

#### **Languages:**

English: Proficient/Fluent, Telugu : Native