

Sumasree Yempuluru

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SUMMARY

Computer Science undergraduate skilled in Android development, cloud platforms (AWS, Firebase), and data analytics. Proficient in Java, Python, SQL/NoSQL, and visual analytics tools. Interested in software engineering and data-driven roles.

TECHNICAL SKILLS

- **Languages:** Java, Python, R, HTML, CSS, JavaScript
- **Databases:** MySQL, MongoDB, Redis, Cassandra, Neo4j
- **Tools:** Git, GitHub, Android Studio, Firebase, AWS, Tableau, Power BI
- **Libraries:** pandas, NumPy, Seaborn, Matplotlib

EXPERIENCE

- **Android Developer Intern** May 2025 – Jun 2025
Imarticus Learning Remote
 - Built **StreetSmartIndia** civic reporting app using Java, Kotlin, and Firebase
 - Integrated Google Maps API with 35% more accurate geolocation
 - Improved UI/UX, achieving 25% more engagement and 100+ daily reports

PROJECTS

- **Li-Fi Data Transfer System** 2024
Arduino, VLC Communication
 - Built high-speed optical data system using LED-based visible light communication
 - Designed adaptive modulation and low-power circuits for secure indoor transmission
- **Earthquake Detection System** 2023
Arduino, Embedded C
 - Implemented real-time seismic detection using sensors and cloud-based alerts

RESEARCH

- **Cybersecurity Data Analysis with NoSQL** 2024
VIT University Amaravati, India
 - Analyzed logs with MongoDB, Cassandra, Elasticsearch for anomaly detection
 - Simulated threat patterns and behavioral analytics in security systems

EDUCATION

- **VIT University** Amaravati, India
B.Tech in Computer Science Engineering, CGPA: 8.62 Nov 2022 – present
- **Narayana Junior College** Nellore, India
Intermediate (94.3%) June 2020 – May 2022
- **Dr. KKR's Gowtham School** Nellore, India
Secondary Education (10/10) 2016 – April 2020

CERTIFICATIONS

- Oracle Generative AI Certification
- Android App Development - Imarticus Learning
- AWS Cloud Foundations and Architecting
- MongoDB Associate Database Administrator

ACHIEVEMENTS

- NASA Hackathon Participant