AMRUTH KUNTAMALLA

Software Engineer | Data Analyst

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PROFESSIONAL SUMMARY

Dedicated and self-taught Software Engineer with 3+ years of experience in mobile and web application development, and a current Masters in Data Science student. Proficient in Python, JavaScript, and modern frameworks, with strong skills in data analysis, machine learning, and cloud technologies. Adept at solving complex problems, optimizing systems, and delivering scalable solutions that meet business goals. Passionate about leveraging data-driven insights to empower decision-making and drive innovation.

TECHNICAL SKILLS

- **Programming Languages:** Python (Pandas, NumPy), JavaScript (React Native, Node.js), SQL
- **Soft Skills:** Overcommunication, Positive Attitude, Humility, Critical thinking, Adaptability
- **Data Tools:** Machine Learning (scikit-learn, TensorFlow), Tableau, Excel (Advanced)
- **Frameworks & Libraries:** Django, Flask, Next.js, Express.js
- **Cloud & DevOps:** AWS (S3, Lambda, EC2), Docker, GitHub Actions
- **Other Tools:** Selenium, Flask, Figma, Wireshark

PROFESSIONAL EXPERIENCE

University of New Haven – New Haven, CT

Graduate Assistant | March 2024 – Present

- Automated data processing workflows, reducing time by 20% using Python, Pandas, Selenium, and Flask.
- Enhanced UI/UX for internal tools with HTML, CSS, and JavaScript, improving user satisfaction by 50%.

XRG SOLUTIONS - Hyderabad, India

React Native Engineer | January 2023 – October 2023

- Improved performance of OTT applications for high-profile clients by 40% through React Native optimization.
- Designed scalable solutions supporting 10,000+ active users daily and established coding standards for the team.

DATABEAT CONSULTING PVT LTD - Hyderabad, India

Data Analyst & Full-Stack Developer | June 2021 – November 2022

- Engineered resilient React Native applications for OTT platforms and fitness services, focusing on performance and scalability to meet diverse client needs.
- Built scalable data pipelines using Python and Django to streamline data processing.
- Developed dashboards and analytics using NextJS, Tableau and SQL for business insights.

INTERNSHIPS

THE BEANSTALK PVT LTD - Boston, MA

Software Engineer Intern | November 2020 – March 2021

- Designed and developed 3+ responsive websites using ReactJS, NextJS, and AWS Lambda, reducing deployment time by 30%.
- Improved cloud storage efficiency by 20% through optimized use of S3 buckets and AWS services.

INDIAN INSTITUTE OF TECHNOLOGY, KANPUR (IITK) - Remote

Cyber Security Research Intern | April 2020 - June 2020

- Implemented decoy systems and intrusion detection methods, enhancing system resilience in terms of security.
- Analyzed over 100,000 Windows system logs using machine learning algorithms, identifying potential security breaches with 90% accuracy.

EDUCATION

UNIVERSITY OF NEW HAVEN - New Haven, CT
Masters in Data Science (GPA: 3.67/4.0) | January 2024 – Current
Relevant Coursework: Machine Learning, Data Engineering, Introduction to AI, Cybersecurity

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY - Tamil Nadu, India
Bachelors in Electronics and Communication Engineering (GPA: 8.11/10) | July 2017 – May 2021

PROJECTS

RHYTHMS - MOBILE APPLICATION - [AppStore](#) , [Website](#)
Rhythms LLC | June 2021 – Sep 2016
A platform similar to Eventbrite, used to view, explore and book tickets to dancing events. Technologies used: React Native (Mobile Application), NextJS (website), NodeJS (backend), AWS (Cloud), Github Actions.

ITS12 GIFTWORLD - ECOMMERCE PLATFORM - https://dev.its12.in
Its12 Pvt Ltd | June 2021 – Sep 2021
An E-Commerce Website with features similar to Amazon. It has a 3 Level architecture with Super Admin, Admin, User profiles, and respective dashboards to monitor their performances.

WHIPRIDES - RIDE SHARING PLATFORM - https://whiprides.com
Whiprides PVT LTD | June 2022 – Sep 2022
A ride-sharing application with features similar to Uber. Both driver and user applications were developed in React Native to reduce code duplication in both iOS and Android codebases.

ACTIVITIES & LEADERSHIP

Captain – College Badminton Team
Indian Institute of Information Technology, Tamil Nadu, India | July 2017 – May 2021

- Led the team for 4 years, managing 10+ members and logistics for tournaments.
- Led the team to **quarterfinals at Inter-IIIT Jabalpur 2020**, enhancing performance and cohesion.
- Secured funding and resources, improving training quality and participation by 20%.

Fundraising Chair – University Badminton Team
University of New Haven, New Haven, CT | January 2024 – Present

- Organized fundraising campaigns, raising $1,000+ to support team travel, equipment, and events.
- Built partnerships with local businesses and alumni, ensuring sustainable financial support.
- Enhanced team resources and morale, contributing to improved performance in competitions.

ADDITIONAL

Languages: Fluent in English, Hindi and Telugu ; Conversational Proficiency in Tamil
Certifications:
- LinkedIn Learning: Apache Kafka Essential Training: Getting Started (2021)
- Udemy: Django 2.2 & Python | The Ultimate Web Development Bootcamp
- MongoDB: M220JS: MongoDB for JavaScript Developers
- LinkedIn Learning: Data Engineering with Python
- LinkedIn Learning: Data Science Foundations: Data Engineering