

PREETHAM KAMISHETTY

+91 88850 74115 • kamishettypreetham@gmail.com • profile/preethamkamishetty • github.com/preetham-1811

SUMMARY

Versatile Software Engineer with 1.5+ years of experience in backend development, machine learning, and data engineering. Expertise in developing predictive models and managing data pipelines to support AI-driven EdTech platform. Eager to leverage expertise in data-driven AI and machine learning solutions to contribute to transformative technology initiatives that tackle real-world challenges.

EDUCATION

Asian Institute of Technology

Master of Engineering in Computer Science
Area of Specialization in Software Engineering.

January 2021 – December 2022

Pathum Thani, Thailand

JNTUH College of Engineering Hyderabad

Bachelor of Technology in Computer Science
Professional Electives: Machine Learning, Artificial Intelligence and Cyber Security.

August 2017 – December 2020

Hyderabad, India

TECHNICAL SKILLS

Programming: Python, Java, JavaScript

Frameworks: Django, Flask, TensorFlow, Node, Ruby on Rails (From Project)

Microservices: RESTful APIs, Docker

Cloud Services: AWS

Databases: MySQL, MongoDB, SPARQL (Ontology)

Other Technical Skills & Tools: Tableau, Pandas, NumPy, Git, Bootstrap, Jira, Figma, Selenium, JMeter, Linux

PROFESSIONAL EXPERIENCE

Data Scientist

CampusRoot Edu-Tech

February 2023 – Current

Hyderabad, India

- Proficient in designing serverless functions to gather and transform large datasets, managing a pipeline from 20+ sources. Cleansed and integrated data for 90,000+ courses and 2,500+ universities, automating ETL processes to enhance data quality and reliability.
- Designed and fine-tuned various predictive models using RNN, KNN, and LSTM algorithms to forecast student admissions into preferred courses across universities in 17+ countries with an accuracy of 86%.
- Extensive experience using AWS services to architect scalable, high-availability data solutions. Deployed AI models handling 100,000 predictions per day, delivering personalized recommendations to students while ensuring optimal performance and security compliance.
- Demonstrated expertise in collaborating with interdisciplinary teams to analyze business needs and develop scalable data solutions. This has resulted in optimized backend APIs that enhance functionality, improve counselor-student interactions, and reduce counselors' workload by 50%.

SELECTED PROJECTS

Smart Gadget Recommendation System

August 2024 – Ongoing

- Initiated the development of recommender modeled on 500 mobile phones aimed to provide tech enthusiasts with insights on trends and product comparisons, enhancing decision-making based on price, specifications, and personal requirements.
- Implemented backend functionality for user authentication, searching, filtering, and comparisons, utilized generative AI to have initial suggestions. Technologies: Django, Python, MongoDB, Selenium, Gemini API.

PUBLICATIONS

- **Event Management for Social Service Website Using Ruby on Rails: BTO Event View Application Developed Implementing Collaborative Technique.** December 2021
- **Developing Programming Language with Compilers using JFlex in NetBean: Expanding and Testing Simple Operators by Implementing a Calculator.** August 2022