

Pranav Bellam Prasad

✉ bellam.pranav@gmail.com ☎ 7164269704 📍 Buffalo, NY in Pranav B P 🖱 <https://bellam.vercel.app>

PROFESSIONAL EXPERIENCE

Rakuten, Inc.

Associate Software Engineer [iOS Engineer]

Aug 2020 – Jun 2022 | Bangalore, India

- Designed the Rakuten PointCard Partner payments SDK. Implemented secure-auth login, device checks, keychain operations, and unique barcode authentication for users to scan and make payments.
- Engineered the Fraud Measure feature to improve payment authentication in the Rakuten PointCard app.
- Developed the card management screen to add/scan credit cards and enriched the user experience on the home screen by adding a movable bottom sheet in the app.
- Implemented an In-app messaging feature to enable easier communication within the app.
- Awarded with "Rakuten Excellence Award" in grateful recognition for displaying product ownership and making a larger impact in the Rakuten Payments team. ☑

Tech Stack: Swift, Objective-C, Xcode, Git

Technical Intern

Jan 2020 – Jul 2020 | Bangalore, India

- Setup the Apache OpenWhisk serverless infrastructure on Rakuten's OneCloud platform.
- Designed and developed a highly scalable static page handler for the Rakuten PointCard website using Serverless computing.
- Improved the throughput by 30% and supported high traffic volumes on the website during Rakuten campaigns and super sales.

Tech Stack: Javascript, Node.js, React.js, Docker, Apache OpenWhisk

EDUCATION

MS in Computer Science and Engineering

Aug 2022 – Present | Buffalo, New York

State University of New York at Buffalo ☑

CGPA: 3.67/4.00

B.E. in Electronics and Instrumentation Engineering

Aug 2016 – Jul 2020 | Bangalore, India

R.V. College of Engineering ☑

SKILLS

Programming Languages (Python, Javascript, Swift, Objective-C)

Web Frameworks/ Libraries (Node.js, Express.js, Flask, Pandas)

Web Technologies (Git, Docker, Google Cloud Platform, AWS Lambda, Apache OpenWhisk, Apache Solr)

Databases (MySQL, MongoDB)

PROJECTS

Multi-Topic IR chatbot | Python, Flask, Apache Solr, Tensorflow ☑

Aug 2022 – Jan 2023

- Developed an end-to-end multi-topic Information Retrieval chatbot capable of carrying out 15+ turns of coherent utterances.
- Indexed 200k+ multi-lingual Reddit data in Apache Solr and used it as the chatbot dataset.
- Used a pre-trained BERT model to classify chitchat and Reddit data, calculated the similarities of the top 20 retrieved documents with the user query, and responded with the document having the maximum similarity.

Decentralized Airport Baggage Tracking | Solidity, Node.js ☑

Aug 2022 – present

- Designed a decentralized airport baggage tracking solution to provide real-time updates of checked baggage using Blockchain technology.
- Implemented Smart Contract to enable peer-to-peer interaction between the airline and the customer, thus providing transparency to the customer by eliminating the need for a centralized tracking system.
- Integrated an ERC-20 Token (Baggagely) in the smart contract for handling transactions and rewards on the Ethereum blockchain network.

Automatic Floor Cleaning Robot | NodeMCU, ThingSpeak IoT

Jan 2018 – Jun 2018

- Built a budget-friendly smart automatic floor cleaning robot using NodeMCU and integrated it with the ThingSpeak Analytics IoT platform.
- Developed an algorithm for the robot to navigate automatically by avoiding obstacles ensuring maximum floor cleaning coverage, and enabling tracking of the cleaning patterns in real-time on the ThingSpeak IoT platform.