Hemant Palavali

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EDUCATION

NEW YORK UNIVERSITY   January 2021 – Present // New York, USA
Master of Science in Information Systems

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY   August 2014 – May 2018 // Hyderabad, India
Bachelor of Technology in Computer Science & Engineering
Coursework: Advanced Data Structures, Database Management Systems, Distributed Systems

SKILLS

Programming Languages: Java, JavaScript, TypeScript, Python, HTML
Databases: MySQL, MongoDB, CouchDB, PostgreSQL
Libraries and Frameworks: Node, Express, React, Next.js, Gatsby.js, Spring
Tools and Platforms: Git, Netflify, Heroku, Docker, AWS, Firebase, Algolia, Webpack
Testing Tools: Chai, Mocha, Sinon

EXPERIENCE

Full Stack Developer, **SPRINGROLE**   October 2019 – December 2020 // Bangalore, India

- Built social interaction games and engagement features inside enterprise communication app Slack. Used by over 150k users today, built it using **React, Express**; facilitated via Slack APIs and hosted on **AWS**.
- Developed the payment infrastructure for this SaaS app using Stripe.
- Developed microservice architecture for a dating app called Camden to handle the media, user engagement functionalities such as liking and disliking, notifications to all the mobile devices on various event triggers using **TypeScript, Node**, and **Python**. Decreased the notification delivery time by 80% by moving to a notification on the event system instead of using a cron-scheduler
- Developed a client and business collaboration platform to allow facilitate agile methodologies and ease the collaboration between the aforementioned two; starting from inception to the end of a project. The tech stack included **React** and **Spring MVC**
- The functionalities include the creation of tasks, assignment, handling proposal requests for new projects, and provide a transparent picture of the progress of the project
- Planned and developed an application using Node framework **Express** to monitor subscriptions and renewals of a stand-up comedy streaming application and utilize third-party services (appsflyer & impact) to track revenue and decide the payouts of content creators and comedians
- Built scheduling and tracking application using **React and Next.js** for lawn mowing and agricultural equipment company to take orders, measure the ground area, provide estimates on costs and take contracts for myriad services

Full Stack Developer Intern, **SOAL**   January 2019 – August 2019 // Hyderabad, India

- Developed a recommender system for a student portal application using **Tensorflow.js, Express** and **React**
- The systems core functionality recommended a student's strong and lacking areas based upon various assessments and also provide student partner recommendations for pair programming exercises

Analytics Intern, **TECH MAHINDRA**   July 2018 – Dec 2018 // Hyderabad, India

- Implemented a system to automate the task of creating reports on Power Point for the GE support team by extracting the data directly from the ticket logs using **Beautiful Soup** library, processing the data and visualizing the data using Python libraries **pandas** and **ggplot**
- Enhanced report generation process and reduced man hours by 70%

PROJECTS

MEDSAFE

- Built a medical data storage and viewing application using **React** for frontend framework and **Node** for backend application.
- The application would gave authorised medical personnel access to a patient's medical records in case of exigency and help contain the exacerbation of patient's complications

STUDENT PERFORMANCE PREDICTION SYSTEM

- Developed a student performance prediction cum warning system using **Naïve Bayes Classifier** and **Support Vector Machine** for classification of data and achieved an accuracy of prediction of over 84%
- This system would alert students along with the teacher in case a student shows potential of failing a particular class