Bhupen Basumatary

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EDUCATION

Gauhati University Institute of Science and Technology

Bachelor of Technology - Computer Science Engineering; CGPA: 8.39

Guwahati, India

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August 2019 - June 2023

SKILLS SUMMARY

• Languages: JavaScript, Python, SQL, Bash, C++

• Frameworks: NodeJS, Django, Flask

Tools: GIT, MySQL, SQLite, MongoDB, Docker
 Platforms: Linux, Web, Windows, AWS, GCP

EXPERIENCE

STAD Remote

SDE Intern (Backend)

Apr 2023 - Jun 2023

- Developed RESTful APIs using **Node.js** and **Express**, employing best practices to create efficient and scalable solutions that met the requirements of various application components.
- Developed a notification system using **Firebase Cloud Messaging (FCM)** on the backend which sends notification to users of similar interests, whenever a new user joins a platform. This helped increase the user engagement on the platform.
- Implemented a backup system to ensure data integrity and disaster recovery, setting up automated backups for our database in **Google Cloud Platform (GCP)**. This approach reduced the risk of data loss and provided a reliable way for restoring data in the event of any incidents.
- Utilized GitHub and CI/CD tools to automate development workflows, enabling seamless integration, testing, and deployment processes. This ensured code consistency and quality, resulting in a more efficient and error-free development cycle.

Pearlthoughts
Devops Intern

Remote
July 2021 - Aug 2021

- Developed an alerting system that monitored domain expiration dates, and notified using a Slack webhook to prevent any service disruptions or loss of online presence.
- Leveraged Docker to containerize applications to allow easy deployment and scalability in Amazon Web Services (AWS).
- Played a pivotal role in maintaining, optimizing, and deploying diverse resources within **Amazon Web Services** (**AWS**). Employing industry-leading techniques, optimized resource allocation for enhanced efficiency and scalability.

Projects

- Hostel Management System (Nodejs, Express, MongoDB, EJS, Bootstrap, AWS): A full-stack project built on top of MVC which provides an automated hostel allocation system along with management capabilities. It has a separate dashboard for Student, Warden and Admin with different features for each type of user.
- Farmer Support System (Nodejs, Express, EJS, Bootstrap, Python, Flask, ML): An application which offers agricultural assistance to farmers, providing features such as crop recommendation, crop search, fertilizer recommendation, and live chat support. Utilized Random Forest Algorithm to build the Crop prediction model.
- Certificate Generator (Nodejs, Express, PDFLib, XLSX, Heroku, Bootstrap): A program that automates the generation of certificates in bulk using an Excel file.
- DevEss (Nodejs, Express, Angular, Firebase, Heroku): A resourceful website that has a collection of many useful resources and materials for developers and students like me in one place.
- Real Time Tracking and Detection (Nodejs, Express, EJS, Geolocation API, Firebase Realtime Database, Mapbox API, ML5.js): A cloud-based real-time and automated solution for Assam Police to track vehicles, people or any precious cargo using machine learning.

Volunteer Experience

Google CLoud Lead at Developer Student Clubs Gauahti University

Guwahati, India

Led all the students under our University on 30 days of Google cloud event

Graphic Designer Lead - OWASP Gauhati University Student Chapter

Guwahati, India

Developed and led the graphics elements of OWASP Gauhati University Student Chapter

Event Manager - Web Development Club Gauhati University

Guwahati, India

Took responsibilty of managing events under Web Development Club Gauhati University