Siva Sindhu Naini

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Education

Indiana University Bloomington	January 2022 − December 2023
Master's in Data Science with Focus on Computational Sciences; GPA: 3.57	*Bloomington, IN*

- **Relevant Courses**: Applied Algorithms, Advanced Database Concepts, Applied Machine Learning

National Institute of Technology, Durgapur	June 2013 − May 2017
Bachelor of Technology in Electronics and Communication Engineering; GPA: 8.54	*Durgapur, India*

- **Relevant Courses**: Algorithms,Advanced Database Concepts, Machine Learning, Cloud Computing

Experience

Software Engineer Intern — May. 2023 − August. 2023
dormakaba — *Indianapolis, IN*

- Successfully been part of two of dormakaba's most prestigious integration projects, **BComm and MatrixOne**. Demonstrated expertise in integrating the European digital lock system into the American system, significantly enhancing safety and security measures.
- Contributed to Project **Clampy**, focusing on optimizing bidirectional data flow between a robot (clampy) and **AWS CloudWatch**. Leveraged AWS IoT and Python scripting to create efficient data synchronization processes resulting in reduced data transmission time lag by **30%**

Software Engineer — Oct 2018 − Jan 2022
Beyond Soft Solutions — *Hyderabad, India*

- Owned and managed three of Beyond Soft Solution's most essential finance applications, including **Global Salary Review Tool**, Profit Participation Plan Tool, and Long-Term Incentive Tool.
- Developed end-to-end **RESTful web services** using micro-service architecture in Python and **dockerized** the service to handle transaction volume.
- Improved the response time of core components by three folds which included adding an asynchronous layer resulting in reduced query execution time by **50%** .

Associate Software Engineer — June 2017 − Oct 2018
CGI — *Bengaluru, India*

- Executed critical features for the development and maintenance of the **Payee Information Portal (PIP)** and File Management System for the City of New York as part of **Advantage Project**.
- Designed and developed lightweight responsive web applications with **AngularJS**. Integrated web apps with back-end web services to add, update and view data asynchronously.

Technical Skills

Languages and Web:	C, Java, C++, Python, HTML, CSS, NodeJS,JavaScript, TypeScript
Databases and Frameworks:	Angular, RESTAPI, Docker, SpringBoot, SQL and Mongodb,AWS
Tools:	Git, Linux, Bitbucket

Projects

Home Credit Default Risk — Aug 2022

- Used various machine learning models on the Kaggle dataset to find out if a defaulter can repay his loan or not.
- Handled the outliers by replacing the null values and removing highly correlated values.
- Built and trained neural networks using Regression algorithms to choose the best parameters to increase the AUC score.

Tech Used: Regression models (Lasso, Linear), XGBoost, Decision Trees, KNN Clustering.

Restaurant Recommendations Website — Jan 2021

- Designed and build a website for users to get dining recommendations, hosted on AWS and built the backend on several AWS services S3, API gateway, lambda, dynamo DB.
- Built a chatbot using AWS Lex service interfaced with data scraped from Yelp to get restaurant recommendations.

Tech Used: Angular, Angular Material, Spring Boot, Kafka, MongoDB, AWS, Docker, Mockito/JUnit.

Virtual Assistant — Aug 2019

- Understands the user's intent then makes a query and returns the most relevant results based on the user query.
- Supports voice and text inputs and helps users navigate different products and services.
- Contributed to NLP Pipeline, Docker integration, deployments, and Front-end design development.

Tech Used: Angular, Angular Material, Spring Boot, Kafka, MongoDB, AWS, Docker, Oracle, Mockito/ Junit

Carpool App — May 2017

- Developed a user-friendly User Interface on top of a complex Web application for carpooling in IIT Hyderabad that would help faculty and students in IIT Hyderabad with their commute.

Tech Used: Twitter Bootstrap, MongoDB, Google Maps API, Spring Boot Framework.