

# SNEHITH BOOTLA

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## Education

**Indiana University Bloomington**, Indiana

May 2023

Master of Science in Computer Science, **CGPA - 3.8/4**

**Maulana Azad National Institute of Technology**, Bhopal, India

April 2019

Bachelor of Technology in Electronics and Communications Engineering, **CGPA - 8.18/10**

## Work Experience

**Indiana University Bloomington**

Aug 2022 – April 2023

Software Engineer

- Developed a hybrid e-commerce Mobile and Web application called “**Quickart**” using **React JS** and **ASP.NET** and deployed it on **Microsoft Azure** to optimize delivery order assignment and real-time order status updates. Implemented **JSON Web Token** for secure user authentication and session management.
- Developed and launched a ground-breaking feature in the application - a voice assistant for placing orders - that is the first of its kind and sets our application apart from any other modern food delivery application.
- Finalist in the **Cheng Wu’s Innovation Challenge 2023**.

**First Databank, Indianapolis**

May 2022 – Aug 2022

Software Engineer

- Modernized Apollo Services by engineering RESTful APIs using **ASP.Net Core**, modernized legacy code in **.Net Remoting**, and improved functionality, contributing to an annual revenue of \$70M.
- Implemented an efficient project structure to manage interdependent small project solutions within the main project. Secured Apollo Webservices with **Microsoft Azure** token-based multi-factor authentication using Azure AD.
- Established a streamlined Azure CI/CD pipeline for Apollo Webservices with azure-pipelines, reducing manual intervention and improving software update delivery efficiency. Resulted in faster, more reliable software updates, with increased consistency in application delivery.

**UnitedHealth Group, India**

July 2019 – Aug 2021

Software Engineer - II

- Streamlined team communications and reduced source file delays by 40% using **Python** and **Perl** automation scripts. Boosted the batch handling process, saving \$10,824 annually. Created Python Dags/tasks to schedule jobs efficiently with Airflow and TWS, increasing delivery efficiency by over 40%.
- Achieved real-time monitoring of batch status by developing and maintaining a C# web-based dashboard using **ASP.Net** framework and React.js, integrated with RESTful APIs.
- Improved data retrieval efficiency by 35% and reduced query execution time to under a minute by playing a key role in efficient **MySQL** database design and modifying SQL queries, for the data obtained from Cosmos DB source.
- Strong expertise in developing RESTful APIs using .NET technologies, such as ASP.NET Web API with over 300 successful API integrations.

Software Engineer - I

- Streamlined application deployment and resource management with Azure Functions and utilized Azure to manage virtual machines and storage accounts.
- Built and maintained a CI/CD pipeline using **Azure DevOps** and YAML files. Configured automatic builds, tests, and deployments for a smoother delivery processes.

## Technical Skills

Programming Languages	: Python, Java, C, C++, JavaScript, Perl, C#, React.JS, Angular.JS, Node JS, Golang
Operating Systems	: Unix, Windows
Databases	: MySQL, MongoDB, PostgreSQL
Cloud Services	: Azure, Kubernetes, AWS
Frameworks & Tools	: Git, Jenkins, ASP.Net Core, Unity, Spring Boot, Hibernate, Apache Airflow, MATLAB, Kubernetes, Docker, Microservices, Distributed Systems, gRPC

## Academic Projects

**Patient & Health Insurance Management**

Jan 2022 – May 2022

- Developed a user-friendly health insurance portal using Flask with features such as two-factor authentication and Google login.
- Integrated **Flask API** endpoints with a **MySQL** database, hosted the application on an **AWS** server, and implemented state-of-the-art security measures such as two-factor authentication and JWT token system for session management, resulting in a seamless user experience.
- Ensured data integrity, efficient querying, and scalability through effective data modelling and database design.

**Skills used:** Flask, React JS, MySQL, JIRA, Apache, AWS, Google Login, Flask Email