Shreyas Satpute

satputeshreyas07@gmail.com | +44 7553994479 | LinkedIn | GitHub | Devpost

EDUCATION

University of Birmingham Sept 2024 - Present
MSc, Computer Science *Birmingham, United Kingdom*

Visvesvaraya Technological University Aug 2018 - July 2022
Bachelor of Engineering, Electronics and Communication - (GPA: 8.06) *Bangalore, India*

SKILLS

Programming Languages: Python, JavaScript, C#, SQL, C++
Frameworks & Technologies: .NET Core, React.js, Flask, Express, Machine Learning, REST APIs
Cloud & DevOps: Microsoft Azure, Git, SQL Server Management Studio
Methodologies & Concepts: Agile (Scrum), Object-Oriented Programming (OOPS)

WORK EXPERIENCE

LTIMindtree Sept 2022 – Sept 2024
Software Engineer - I *Bangalore, India*

- Collaborated on a project for Microsoft, a key client, within the internal query processing team, utilizing .NET to migrate and convert 500+ legacy test cases from SQL to C#. Analyzed existing test cases to ensure 100% accuracy in translation, preserving functionality and improving overall testing efficiency.
- Contributed to the initial development of an automated .NET feature designed to streamline the migration process, aiming to eliminate manual conversion and reduce errors for an anticipated speed increase of up to 50%.
- Conducted sanity testing on over 100 features of a web application for Kellogg's.

LTIMindtree Mar 2022 – May 2022
Software Engineer Intern *Bangalore, India*

- Completed a 3-month internship, gaining in-depth knowledge of the .NET framework and features for web development, contributing to a project that improved development efficiency. Gained hands-on experience in the .NET framework and project workflows.

PROJECTS

StudySync -

- Won the Public Choice Award at the Birminghack 1.0 for a platform designed to connect students with compatible study partners.
- Architected a full-stack web application using Python (Flask) for the backend and React.js for a dynamic frontend, solving a common challenge within the student community.
- Engineered a matching algorithm using cosine similarity on numerically encoded user preferences to generate and rank compatible matches.

Cyberattack Detector -

- Developed an advanced cyberattack detection system using a machine learning algorithm in Python to monitor and analyze network traffic, identifying anomalous patterns indicative of potential threats. Integrated an Arduino board and GSM module, programmed in C++, to automate real-time alert notifications via SMS, ensuring timely response and seamless operation of hardware components.

EXTRACURRICULAR ACTIVITIES

- **Student Representative, MSc Computer Science** - Represent the student cohort in staff meetings, contributing to academic improvements through feedback and new initiatives.
- **BEAR Challenge** - Achieved 4th place in the university's High Performance Computing (HPC) challenge, developing solutions for AI-art generation, image classification, and large-scale data sorting.