Shreyas Satpute

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EDUCATION

University of Birmingham   Sept 2024 - Sept 2025
MSc, Computer Science - (Distinction Awarded)   *Birmingham, United Kingdom*

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

SKILLS

Programming Languages: C#, Python, JavaScript, SQL, C++
Frameworks & Technologies: .NET, 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), Real-time systems (SignalR)

WORK EXPERIENCE

LTIMindtree   Sept 2022 – Sept 2024
Software Engineer - I   *Bangalore, India*
- Collaborated with Microsoft, 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.

PROJECTS

LiveBid - Real-time Auction Platform
GitHub : [Link](#)
- Developed a full-stack, real-time auction platform using .NET (C#) and React, enabling registered users to bid on items and receive instant price updates broadcast via SignalR (WebSockets), with all user sessions secured by ASP.NET Core Identity and JWTs.

PizzaHub - Online Pizza Ordering Platform
GitHub : [Link](#)
- Built a full MVC application using C# (.NET) and Entity Framework Core, implementing secure role-based login, a stateful shopping cart system, order processing workflows, and seeded database models for smooth initial setup.

PromptGuide - Intelligent Prompt Evaluation Tool
GitHub : [Link](#)
- Spearheaded the full-stack development of a prompt evaluation Chrome extension for MSc dissertation. Implemented a RESTful backend using Python (Flask), NLTK, and sentence-transformers for NLP tasks, integrating Groq API for AI-driven refinement and a JavaScript frontend leveraging Chrome APIs for seamless browser integration.

StudySync - Smart Study Partner Matcher
GitHub : [Link](#)
- Awarded Public Choice Award at Birminghack 1.0.
- 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.

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.