

ABHIJEET SINGH

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EXPERIENCE

Software Engineer
BrowserStack

May 2019 - Aug 2020
Mumbai, India

- Achieved **product stability improvement from 99.5% to 99.75%** by resolving issues and migrating logs components from Redis to Kafka, **reducing Redis memory usage by 99.5%**
- Led the expansion of browser support for Automate by **adding Microsoft Edge Chromium for latest OS X versions, composing 5% of the daily sessions**
- Developed **compatibility with Selenium 4 versions** by incorporating the Jars to the BrowserStack platform
- Implemented product instrumentation to collect and examine data pertaining to each session to help **push product's stability close to 99.99%**

Student Developer, Google Summer of Code
Probot, GitHub

May 2018 - Aug 2018
Remote

- Created a **GitHub App that generates Weekly Digests for GitHub repositories** using Probot
- Achieved a wide adoption of the app by **250+ organization/user installations** and a large output of **38K+ public Weekly Digests** so far, with **350+ added every week**
- Contributed to the repositories of organisations Probot and Octokit REST JS projects, improving their functionality and documentation

EDUCATION

M.Tech in Data Engineering, IIIT Allahabad

2022 - 2024

Courses: Big Data Analytics, Deep Learning, Machine Learning, Data Visualisation

8.22/10 CGPA

B.Tech in Computer Science and Engineering, IIIT Trichy

2015 - 2019

Courses: Data Structures and Algorithms, Object Oriented Programming, OS, DBMS

7.49/10 CGPA

PROJECTS

Questions Answer App

- Created an app that reads questions and documents and generates answer from the document uploaded.
- Used **LangChain** and **OpenAI** to answer the questions based on the documents provided.
- Facilitated **Pinecone** as **Vector DB** client to generate context from the document
- Implemented the app's backend using **FastAPI** and **Uvicorn**

Official website of IIIT Trichy

- Designed a fully responsive website for the institute using NodeJS, Express, and jQuery with a content management system for the website to facilitate file management for the admin
- Led the product ownership and maintenance of the website and ensured its functionality and usability
- Attracted a **consistent traffic of 30000+ visits per month** on the website and **improved the recognition of the institute**

SKILLS

Languages JavaScript, C++, Python, Ruby, SQL

Technologies NodeJS, React, MongoDB, Git, MySQL, Kafka, Redis, NextJS, TypeScript, LangChain, Vector DB

Platforms Windows, OS X, Linux, AWS

ACHIEVEMENTS

- Ranked 2nd in CodersBit at institute level conducted by InterviewBit
- Secured Gold Medals in International Mathematics Olympiad in 8th, 9th and 10th grade
- Received Honorable Team title in Hack4Stack Hackathon organised by BrowserStack