

Divyanshu Mahajan

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EDUCATION

Birla Institute of Technology and Science, Pilani | Rajasthan, India

Aug 2018 - Jun 2023

- **Majors:** B.E. Electronics and Instrumentation and M.Sc. Economics
- **Cumulative GPA:** 7.17 / 10.00

WORK EXPERIENCE

Microsoft | Software Engineer Intern

May 2022 - July 2022

- Worked with Azure Edge + Platform team on [Azure Chaos Studio](#) to predict point of failures in cloud application
- Used C# and .NET to add new fault (Virtual Machine Suspend, Update, and Resume) to the faults library for testing the resilience of Azure Core Infrastructure
- Utilized xUnit to write unit and integration tests for validating the new fault's implementation

Schmooze | Software Engineer Intern

Apr 2021 - Apr 2022

- Co-developed the company's cross-platform dating app for [iOS](#) and [Android](#) using Flutter and Dart, rated **4.5 / 5.0**
- Utilized React to create a lite [web app](#) variant of the company's core app for outreach and marketing campaigns
- Designed and implemented a React [web app](#) from scratch that powers content/user monitoring, screening, and real-time messaging for use by multiple teams
- Secured the web application using Google sign-in based on OAuth 2.0, utilized Google Firebase for real-time communication and React Query for caching and server-state management
- Refactored **1500+** lines of code which reduced initial loading time by **40%**
- Implemented company's [website](#) using GatsbyJS

Google Summer of Code — IDI | Open Source Developer

May 2020 - Aug 2020

- Utilized InfusionJS and HTML5 Gamepad API to build a [Chrome extension](#) for web navigation using gamepads
- Evaluated JavaScript-based technologies and frameworks, and devised an implementation plan for the extension
- Conceptualized and designed UI mockups of the extension using Figma
- Automated extension's GitHub Release / Tag creation using Grunt and added CI pipeline using GitHub Actions

Freelance | Web Developer

May 2019 - May 2021

- Re-built and added new features in [WAMessages](#) Chrome extension resulting in a **30% increase** in company's profits with nearly **18,000+ user downloads** within two months
- Implemented websites of startups ([Dybo](#) and [Credia](#)) using HTML, CSS, JavaScript, and jQuery

PROJECTS

CoVID-19 CLI

[GitHub](#), [NPM](#)

- Utilized NodeJS and CommanderJS to build a command-line interface for checking COVID-19 statistics on terminal
- Accrued **1000+ downloads** till date with constructive reviews from the developer community

Cheems

[GitHub](#)

- Utilized ReactJS, TypeScript, and WebRTC to build front-end of a (text and video-based) communication platform
- Integrated Microsoft sign-in using an authentication mechanism based on OAuth 2.0 workflow
- Developed the backend of the project using NodeJS and ExpressJS connected to a MongoDB database

Blind Coding

[GitHub](#)

- Used HTML, CSS, and JavaScript to rewrite the front-end of a programming platform for college fest
- Added new features such as live leaderboards and dark mode resulting in increased fest participation by **23%**

TECHNICAL SKILLS

- **Proficient:** JavaScript, TypeScript, ReactJS, React Native, Git, SASS/SCSS, CSS, HTML, jQuery, Java
- **Familiar:** GatsbyJS, Flutter, Dart, NodeJS, ExpressJS, MongoDB, DotNET, C++, C#, C, QUnit, Figma

EXTRACURRICULAR

- Open Source Contributor and Project Maintainer at Fluid Community (2020 - 2021)