Akshay Ashok

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Education

Babaria Institute of Technology, Varnama, India - Bachelor of Engineering (B.E.) in Computer Science and Engineering (2017 to 2021). CGPA: 9.39/10.

Programming Languages

Python	TypeScript
Javascript	HTML
Golang	CSS

Framework & Tools

Django	React.js	Docker
FastAPI	Redux	MongoDB
Node.js	Apollo	PostgreSQL

Experience

Ziplyne Inc.

Software Engineer Intern (January 2021 to June 2021)

- Developed UI for data visualization with VISX and React.
- Created Editor integrated with RTE to edit HTML Templates.
- Built API for various features with TypeScript and Node.js.

ATRIS - atrisapp.com

Co-founder (June 2020 to May 2021)

- ATRIS startup focused on personal knowledge base management.
- Built Dashboard with Next.js and Tailwind CSS.
- Developed custom speech recorder in React with web audio api.
- Integrated wavesurfer.js in React for custom audio player

Codemastr Inc.

Software Engineering Intern (June 2019 to August 2019)

- Migrated frontend from Django templates and jQuery to React.
- Developed the frontend while managing routing, authentication and other features.
- Developed custom image tagging and annotation component.
- Added feature for multiple file upload while handling all edge cases.
- Created the UI with React, Redux, and styled-components.
- Built real-time search and results page with tag filters and autocomplete.

Ideal HR Contrivances

Android Developer Intern (June 2018 to July 2018)

- Developed full-stack Android app used for hiring clients with user and admin interface.
- Integrated MCQ-Quiz feature with firebase real-time database.
- Managed authentication with firebase auth and created client's registration screens.

Projects

[**My GitHub** should give a better idea about the things I've worked on recently.]

colab-cli
Created cli tool to sync local jupyter notebooks with google colab. Provides quick access to jupyter notebooks in gdrive from cli. Built using python, poetry and google drive api.
akshay-ashok.now.sh/projects/gitify

gitify
Browser extension to interact with git. The browser extension interacts with a server running locally to execute git commands for you. Made with Golang, React and TypeScript.
akshay-ashok.now.sh/projects/gitify

touch-to-go [GIH Finals]
Created a Biometric fingerprint based attendance system integrated with MySql database which supports multiple checkin and checkout points. Built with React, python, Raspberry pi 3b + and sensors.
akshay-ashok.now.sh/projects/touch-to-go

attendico [Hexahive Hackathon]
smart solution to manage attendance using Facial Recognition and also provide a solution for security solutions to colleges. Built dashboard with React, python, raspberry pi, web cam and ultra sonic sensor.
akshay-ashok.now.sh/projects/attendico

break-the-chain [Twilio Hackathon]
Twilio Chatbot connected with flask rest api. The server periodically scrapes the covid-19 data from the government website to get the latest stats and makes this data accessible for chat bot with sqlite database. Built with python, flask, twilio api, sqlite and cron jobs.
akshay-ashok.now.sh/projects/break-the-chain

bingoset
CLI Toolkit to quickly create image dataset using Bing Image Search API for image classification tasks. Handles edge cases for images when they are corrupted or have invalid source. Built using python and Bing Image Search API.
akshay-ashok.now.sh/projects/bingoset

mini-pokedex
Webapp to classify Pokémon's. The classification model is trained on custom dataset on Azure DSVM. Built using starlette, vanilla js and docker.
akshay-ashok.now.sh/projects/mini-pokedex

svg-banners
Serverless Functions deployed on Vercel to dynamically create svg from parameters from query string. Useful for GitHub Readme. Built using Nodejs and HTML/CSS.
akshay-ashok.now.sh/projects/svg-banners

Miscellaneous
- Built blockchain based rental system of old items for EthIndia Hackathon.
- Developed IOT based Smart Fire Extinguisher with Raspberry Pi, firebase and Android.
- Created Docker images of various deeplearning models to make them easy to use.
- Made wget-google-drive.surge.sh to generate wget script from Google Drive file url.
- Built an event management platform using google forms, cloud functions and Android.

Accolades during college
- Best Software Startup at GTU Startup Demo Day for ATRIS.
- Hexahive Hackathon Winner for project attendico.
- CSI Project Competition Winner for developing IOT Based Smart Fire Extinguisher.
- Gujarat Industrial Hackathon Finalist for project touch-to-go.
- Microsoft Learn Student Ambassadors for 2019 - Present.