

AJAY KUMAR BASAWARAJ RAJESHWARE

Boca Raton, Florida

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Education

Master of Science in Computer and Information Sciences

Florida Atlantic University – 3.78

Jul 2025

Boca Raton, Florida

Bachelor of Engineering in Computer Science and Engineering

Visvesvaraya Technological University – 7.12

Aug 2020

Bangalore, Karnataka

Experience

Junior Developer

Feb 2023 – Jul 2023

COD Trees

Kolkata, West Bengal

- **Developed:** e-commerce websites in Laravel, Javascript and jQuery with **CI/CD** capabilities while using **BitBucket**.
- **Designed:** and deployed a few elegant looking **responsive content management system templates** in Wordpress.
- **Coordinated:** with multiple volunteers to conduct 1 town hall meeting and couple of small team building events.

Full Stack Developer Intern

Nov 2022 – Jan 2023

Orange Digital Media

Bangalore, Karnataka

- **Collaborated** with a 5-person team on an in-house project, employing **Agile** methods to drive efficient development.
- **Built:** and scaled a few minimalistic single-scroll website using AJAX to minimize load by fetching data asynchronously.
- **Tech:** HTML, CSS, Javascript, JQuery, AJAX, PHP, Codeigniter

Machine Learning Intern

Jan 2020 – Feb 2020

Infidata Technologies

Bangalore, Karnataka

- **Developed:** a machine learning model to analyze **80,000** sales transactions, extracting multiple independent features.
- **Evaluated:** the model on validation dataset using metrics such as mse, mae and r-squared. Optimized mse by **1.5%**
- **Tech:** Numpy, Pandas, Matplotlib, Seaborn, Scikit-learn, Python

Projects

Youtube Clone | ReactJS, Material UI, Rapid API

[Demo](#)

- Created and deployed a web application on **Vercel**, featuring dynamic content loading and search capabilities using **RapidAPI**, effectively mirroring YouTube's primary functionalities in an interactive video streaming platform.

Brain Tumor Classification On BraTS 2019 Dataset | Python, Keras, Tensorflow

[Github link](#)

- Implemented a brain tumor classification system with a team of **3** people using customized U-Net and Alexnet models on BraTS 2019 dataset, achieving an accuracy of **99.6%** and **98.3%** respectively.

Community ONE | NextJS, Typescript, Shadcn, PeerJS, SocketJS

- Developed a minimalistic, user-friendly prototype to connect prospect students with the communities nearby the college, featuring **video chat** ability to have communication between the community personal and the prospect student.

The Showstop | HTML5, CSS3, Bootstrap, Javascript, MySQL, PHP

- Engineered a movie ticket booking system enabling user-driven movie selection, timing, and seating, while architecting and implementing a robust MySQL backend with many tables and **stored procedures** to manage **CRUD** operations.

Predict Fuel Efficiency | Python, Keras, Tensorflow

- Performed data cleaning and normalized training data, applied one-hot encoding and feature extraction, yielding ANN model with **1.89 mpg** MAE and error visualization up to **5 mpg**.

Skills Summary

Languages:	Python, C++, C, JavaScript(ES5/ES6), PHP, HTML, CSS
Frameworks:	JQuery, ReactJS, ExpressJS, NodeJS, NextJS, CodeIgniter, Laravel, MySQL, Prisma, PostgreSQL
AI & ML Tools:	Numpy, Pandas, Matplotlib, OpenCV, Scikit-Learn, Keras, Tensorflow, NLTK
Tools & Skills:	REST API, Git, Docker, Postman, Linux, Jira, BitBucket, AWS, Agile, CI/CD

Achievements and Awards

AI Guardian For Content Integrity | Hackathon

- Led development of the project, getting ML models achieving up to 92.98% accuracy and used explainable AI techniques like SHAP and LIME to show the reliable and responsible aspect that were given by NIST and COBIT.
- Presented project findings to panel of judges, demonstrating impact of advanced technologies in content moderation.

AWS Cloud Quest | Contest

- Won **third** place in a week long competition, while understanding and using many aws services like S3, EC2, RDS, DynamoDB, IAM, etc.