

Arockia Bilgates

Software Developer
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EDUCATION

ST. JOSEPH'S COLLEGE OF ENGINEERING AND TECHNOLOGY
BE IN COMPUTER SCIENCE
Apr 2021 | CGPA : 7.21/10.0

LINKS

LinkedIn:// **BilGPro**
Github:// **GatesDev**
LeetCode:// **BilCode**

SKILLS

PROGRAMMING

Advanced

Python • MySQL • Java

OpenCv • Machine Learning

Intermediate:

C • C++ • HTML • CSS • Javascript

ReactJS • NodeJS • APIs • Git

Familiar:

MongoDB • AWS • Docker • Power BI

COURSEWORK

UNDERGRADUATE

Data Structures and Algorithms

Object Oriented Programming

System Design

Machine Learning

INTERESTS

TECHNICAL

Full stack • Software Development

Machine Learning • Artificial Intelligence

NON-TECHNICAL

Photoshop • Editing

Teaching • Learning

LANGUAGES

SPOKEN

Tamil • English

WRITTEN

Tamil • English

EXPERIENCE

NULLCLASS | DATA ANALYTICS INTERN

Current | Remote

- Completed **6 tasks** during the internship, developing practical skills in data analytics and visualization tools.
- Successfully created a **real-time Twitter dashboard** using **Power BI**, visualizing key metrics and trends for data-driven decision-making.
- Developed a project titled **Real-time Google Play Store Data Analytics** using **Python**, gaining insights into app performance, user feedback, and data manipulation techniques.

PRAG ROBOTICS | ASSOCIATE ROBOTIC ENGINEER

Feb 2024 - Oct 2024 | Thanjavur

- Trained and mentored **200+ students** in Python, R, machine learning, robotics, AI, and OpenCV, helping them gain practical skills for real-world applications.
- Led and supported **student project development**, resulting in successful project completions by providing guidance on debugging, project structure, and best practices.

CADD CENTER | SOFTWARE TRAINER

Feb 2023 - Oct 2023 | Thanjavur

- Trained over **100 students** in programming languages such as C, C++, Java, Python, and web development, helping them build both foundational and advanced skills.
- Delivered hands-on guidance and support, ensuring students successfully completed assignments and projects with a high success rate.

PROJECTS

BUS BOOKING RESERVATION SYSTEM (JAVA, MYSQL)

- Developed a bus booking system using **Java** with **OOP** principles and **DSA** techniques for efficient seat allocation and booking management.
- Implemented **MySQL** database integration to handle user data and schedules, improving system efficiency by optimizing queries.

E-COMMERCE WEBSITE (MERN STACK)

- Built a full-stack e-commerce platform using the **MERN stack**, featuring product listings, user authentication, and cart functionality.
- Optimized API endpoints and database indexing for scalability and performance across multiple users.

IMAGE RECOGNITION SYSTEM (PYTHON, SVM, PCA)

- Built an image recognition system using **Support Vector Machine (SVM)** for classification to predict Tamil actors' images with high accuracy.
- Applied **Principal Component Analysis (PCA)** for dimensionality reduction, enhancing the efficiency of image feature extraction and model performance.
- Leveraged **Python** and machine learning libraries to optimize the system for improved computational speed and accuracy in image processing tasks.