

# Amogh S Bharadwaj

✉ E Mail ☎ +91 9108130261 🔗 Linkdn 📁 Portfolio Website

---

## SUMMARY

Accomplished software engineer with 1 year of experience developing innovative solutions across industries. Proven expertise in full-stack development, Generative AI tools, and machine learning to enhance efficiency and drive business outcomes. Key achievements include spearheading projects, boosting team productivity by 25%, and leading award-winning initiatives at Tata Elxsi. Recognised with multiple awards for exceptional contributions. Adept at collaborating with cross-functional teams, ensuring on-time project delivery and translating complex insights into business value.

---

## EXPERIENCE

### AI Engineer

#### Tata Elxsi

October 2023 - Present, Bengaluru, Karnataka

- Google: Spearheaded the design and development of advanced tools for Google, achieving a 15% improvement in operational efficiency. Developed a full-stack web application with Generative AI for analysing test files, reducing manual processing time by 10 hours per cycle and increasing productivity by 20%. Enhanced bug reporting in Buganizer through automatic failure detection and prediction of optimal build releases, showcased at the GENAI Expo at Tata Elxsi.
- América Móvil: Designed a Generative AI tool to automate unit test case generation, improving test coverage by 30%. Developed a tool for detecting OTA server logs from AWS, enhancing analysis efficiency.
- Awards: Received the Rising Star Award, Mega Champion Award, and ACTION Champion Award for contributions at Google and América Móvil. Also won the Best Tech Design Award at the Elxsi Vista event.

### Project Intern

#### 5x5 Gaming

March 2023 - May 2023, California, United States

- Developed a web application using Bootstrap and Django, creating a platform for bug tracking, project management, and task organization, which boosted team productivity by 25% by offering functionality similar to ClickUp.
- Designed and implemented features for bug raising, task assignment, and status tracking, enhancing project oversight and reducing task completion time by 15%.
- Conducted comprehensive testing of a mobile game, reporting over 50 critical bugs, and collaborated with developers to resolve issues, resulting in a 20% reduction in crash reports and an improved user experience.

### Machine Learning Intern

#### Tequed Labs

September 2022 - September 2022, Bengaluru, Karnataka

- Contributed to the development of machine learning models and data-driven solutions, addressing business challenges and enhancing product functionality through predictive modeling, resulting in a 25% improvement in project outcomes.
- Applied Python, scikit-learn, TensorFlow, and Keras to build and evaluate models for classification and regression tasks, improving decision-making processes by 30%. Executed data preprocessing and feature engineering techniques, boosting model performance by 20%.
- Collaborated with the data science team to refine algorithms and validate accuracy using metrics like precision, recall, and F1-score, achieving a 95% accuracy rate. Presented findings to stakeholders, translating technical insights into actionable business decisions.

### Full Stack Developer Intern

#### Compsoft Technologies

March 2022 - April 2022, Bengaluru, Karnataka

- Contributed to the “Quora for Engineering Queries” project, creating a platform for engineering-related discussions, which resulted in a 30% improvement in user engagement. Designed functional webpages using Bootstrap to ensure a responsive interface, boosting user satisfaction by 25% based on client feedback.
- Developed and managed backend databases with SQL, enabling features like question asking, answering, and profile customization, which enhanced platform functionality by 40%. Utilized Flask for server-side development and API integrations, improving website loading times by 20%.
- Led the team in aligning project components with client needs, ensuring on-time project deployment and demonstrating technical expertise in HTML, CSS, and JavaScript, contributing to a 15% increase in site traffic post-launch.

---

## PROJECTS

### Outlier Detection Based on Sensitivity of Data

Dayananda Sagar Academy of Technology and Management • July 2022 - March 2023

Developed a robust framework for outlier detection using Python, Pandas implementing and evaluating algorithms such as Boxplot, MAD, LOF, Two Sigma, and Three Sigma with 95% accuracy

### Covid Bed Slot Booking System

Dayananda Sagar Academy of Technology and Management • June 2022 - July 2022

Developed a full-stack web application, the COVID Bed Slot Booking System, using Bootstrap, MySQL, and XAMPP to manage hospital bed bookings during the COVID-19 pandemic, integrating a database with a user-friendly interface for effective data storage and management.

### Jumping Box Game

Dayananda Sagar Academy of Technology and Management • June 2022 - June 2022

Led the development of the Jumping Box game using C++ and Computer Graphics techniques, where players control a box to avoid cacti as obstacles.

### Quick Maths Mobile Application

Dayananda Sagar Academy of Technology and Management • June 2022 - June 2022

Developed the Quick Maths Mobile Application using Android Studio and Java to enhance users' fundamental mathematical skills through a timed quiz focusing on BODMAS operations.

### **Weather Application using Flutter**

April 2021 - April 2021

Developed a real-time Weather Application using Flutter, integrating the OpenWeatherAPI to provide users with current weather information for any selected city.

### **Breast Cancer Prediction Using AI-ML**

February 2021 - February 2021

Led the development of an AI-ML Breast Cancer Predictor using machine learning algorithms, including Logistic Regression, Decision Tree Classifier, Random Forest Classifier, and Support Vector Classifier, to classify breast cancer as malignant or benign based on gene abnormalities.

---

## **EDUCATION**

### **Bachelor of Engineering, Computer Science**

Dayananda Sagar Academy of Technology and Management • Bengaluru, Karnataka • 2023

**Activities and societies:** Member of Google Developer's Community and Event Organizer.

**Coursework:** Artificial Intelligence, Computer Networks, Operating Systems, Theory of Computation, Software Engineering, Cloud Computing, DBMS, Compiler Design, Cryptography, Image Processing, IoT

### **Pre University**

Sri Bhagawan Mahaveer Jain College • VV Puram, Bengaluru • 2019

**Activities and societies:** Film and Drama

**Coursework:** Computer Science, Physics, Chemistry and Mathematics

---

## **CERTIFICATIONS**

**AWS Academy Graduate - AWS Academy Machine Learning Foundations** • Amazon Web Services • 2022

**AWS Academy Graduate - AWS Academy Cloud Foundations** • Amazon Web Services • 2022

**Artificial Intelligence in CyberSecurity** • National Cyber Defence Research Centre (NCDRC) • 2021

**Introduction to Big Data** • Coursera • 2020

**Amazon Web Services Cloud Computing Essentials** • LetsUpgrade • 2020

**Robotic Process Automation Essentials** • LetsUpgrade • 2020

---

## **SKILLS**

**Language:** Python, Kotlin, C++, SQL

**Web development:** HTML, CSS, Javascript, Bootstrap, React, Next Js, ShadcnUI, Atcernity UI, Django, Flask, Figma

**Database:** MySQL, Sqlite, Mongo DB, NoSQL, FireBase

**Development environment:** Microsoft Visual studio, Android Studio, Sublime Text

**Others:** JIRA software, Git, Gerrit, ClickUp, Baganizer

**Cloud Technologies:** Google Cloud Platform, Amazon Web Services