

# Amith C Kowshik

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• Bangalore, Karnataka

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## EDUCATION

### Bachelor of Engineering - Computer Science

Dec '20 - Present

Bangalore Institute of Technology | Bangalore, India

CGPA: 8.25

## TECHNICAL SKILLS

Proficient in programming languages including C, C++, Java, Python, Typescript and Javascript.

Seasoned in using database systems such as MySQL and Oracle SQL.

Experience working with technologies such as Git, Node, Tailwind and frameworks such as React and Angular.

Ability to create working applications using frameworks such as Django.

## PROFESSIONAL EXPERIENCE

### Software Development Engineer Intern

May '23 - Jul '23

Fidelity Investments | Bangalore

*Full Stack Development Project using Angular*

- Built a dashboard using Angular, Typescript and Tailwind to display the status and details of company apps, and provide easy access to necessary links.
- Increased workflow efficiency for the team by providing necessary data in one location.

## PROJECTS

### File Management System with Search Engine

Mar '22 - Apr '22

*An application to automatically categorize and search files in a directory*

- Designed a system to efficiently categorize files in a given folder based on their extension. The system had an intuitive GUI with a file search functionality using the ncurses C library.
- Files were categorized with a time complexity of  $O(n)$  and the optimized search feature provided results in under 1 second for collections up to 10,000 files.

### On-The-Go Rental Management System

Jan '23 - Feb '23

*An application to easily book a vehicle on the spot based on location*

- Implemented an On-The-Go Rental System, utilizing Django for the backend, Bootstrap for the frontend and MySQL for the database which allowed users to book vehicles on the spot to travel between hubs.
- Similar systems developed have been found to reduce commute times by over 25%.

### Portfolio Website

Jun '23 - Jun '23

*A website to share and collaborate on ideas and display my work*

- Built a visually appealing portfolio website showcasing personal and contact information, as well as my latest works using React and CSS.

### Car Lane Detector

Jan '23 - Feb '23

*A Canny edge detection based detector that uses image processing to identify lane boundaries*

- Developed a car lane detector using Python libraries numpy and OpenCV.
- Provides real time detection based on Canny edge detection and Hough Transforms algorithms.

## HOBBIES

- A musician with 4 years of experience playing the piano and harmonica. Served as President of the college music club and band, leading performances in events such as Manthan Battle of Bands and VTU Fest.
- A reader of English fiction and sci-fi novels by renowned authors like George Orwell and Mary Shelley.
- A sports player with experience playing table tennis at the state level for both club and school.