

Manas Bajpai

Software Development Engineer

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SKILLS

Languages:

Java • C • Python

JavaScript • SQL • CSS

Technologies/Frameworks:

React.js • Redux • Next.js

Spring Boot • Bootstrap • Node.js

Express.js REST API • Git

GitHub • Django • Docker

MYSQL • PostgreSQL • REST API

Django REST Framework

Swagger • JSON

EDUCATION

DR. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY

B.TECH IN COMPUTER
SCIENCE

June 2024 | Lucknow, Uttar Pradesh

LUCKNOW PUBLIC SCHOOL

Intermediate March 2020 | Lucknow,
U.P.

COURSEWORK

Data Structures

Algorithms

Database Management System

Networking

Operating Systems

Object Oriented Programming

Error Handling

SOLID Principles

ACHIEVEMENTS

- **Winner of CodeWar**, a coding competition conducted by my college in its Technical Fest, awarded with a **gold medal** and **cash prize**.

- Secured **3rd position** out of **200+ participants** in TechBuzz, a contest based on **Core Java**, conducted by my college in its Technical Fest.

- Achieved the Leetcode annual badge, an honor earned by only **0.2%** of Leetcoders, for solving over 300 problems

- Achieved **3 star** at Codechef with the highest rating of 1610

EXPERIENCE

GEEKSFORGEEKS

Software Development Engineer - 1 | June 2024 - Present

Feature Design and Development for GFG WRITE Portal

- **Enhanced code block functionality** in GFG article editor by streamlining language selection, implementing drag-and-drop ordering, **integrating GPT** for multi-language code generation, and designing a **backend regex** solution to selectively hide driver code, **improving user experience and workflow efficiency**.
- Upgraded the WRITE portal's React version from 16 to 18 to enable new feature integrations and enhance performance.
- **Designed and developed the page creation feature** by migrating from the Origin server to the WRITE portal, resulting in a **30%** cost reduction and **saving Rs. 1.5 million per month**.
- **Optimised the tags addition** for articles from a **two step procedure** to a **single one** which resulted in enhanced user experience.
- **Automated the file upload functionality** of the code editor by implementing Custom File Upload Plugins which resulted in **20% increase** in the file addition process.
- Designed and **implemented database lock** within the quiz database to **ensure data integrity and maintain atomicity**, enabling efficient management of data and **concurrency control**.

Software Development Engineer Intern | February 2024 - June 2024

Human Resource Management System Features

- Modularized the search capabilities of a data visibility platform by **30%** by developing Employee Search View API in **Django** with an out-of-the box filter method. Categorized **Filters** based on custom fields for efficient search-by-value functionality and **improved user experience and data organization**.
- Streamlined the employee management schedules flow by integrating Work Shift Management APIs into the frontend, authoring **RTK Queries** for seamless CRUD operations.
- Optimized testing environment by ingesting fake production like data through out-of-the box python library scripts which helped the developers by **40%** in efficient testing.
- Enhanced the observability and retrieval of the users' attendance logs by **30%** based on custom user-defined criterias by modifying the entire model for custom filter functionality in **Django Rest Framework**.

ESSENTIA.DEV

Software Development Engineer Intern | August - December 2023

- Spearheaded the installation and tailored the configuration of open-source ERPNext software modules and layouts on **Amazon EC2** in production environment.
- Implemented **Docker** and **Nginx** to enhance the efficiency and accuracy of the company's business processes, optimizing resource allocation by **35%**
- The successful integration streamlined operations, contributing to improved overall performance.