

ARKIT BAJPAI

☎ 6388689003

✉ arkitvk5@gmail.com

🌐 www.linkedin.com/in/arkit-bajpai

🐙 github.com/arkitbajpai

Education

G.L Bajaj Institute of Management and Research

B.Tech in Electrical Engineering

Aug. 2018– June 2022

Gr. Nodia, Uttar Pradesh

Experience

Tata Consultancy Services

April 2022 – June 2022

Software Engineer Intern

Remote

- Developed and maintained unit test cases in **React**, resulting in a **10%** improvement in test coverage and efficiency.
- Worked in collaboration with the software development team to analyze and rectify **20+** bugs, thereby augmenting the overall quality and performance of the product.
- I effectively utilized version control systems (**Git**) to manage code and collaborate with team members, resulting in a **20%** increase in workflow efficiency.
- Documented **9+** software development processes and test results, improving knowledge sharing and enabling more efficient maintenance across multiple projects

Tata Consultancy Services

July 2022 – Present

Product Engineer

Hybrid, Gurugram

- Worked on the **Counseling** and **Allotment System** applications for the **education** domain, automating result generation based on their preferences and streamlining operations for over **10,000** student across multiple domain.
- Developed reusable components to build a responsive web application using **React.js**, **TypeScript**, and **Material UI**, reducing code redundancy by **30%** and improving development efficiency.
- Integrated backend APIs with the frontend, ensuring seamless data flow and enhancing user experience across applications.
- Implemented and managed the **RESTful APIs** with **JWT** and **OAuth** for secure and token based authentication and authorization.
- Optimized web pages and improved code quality by implementing tools like **SonarQube**, leading to a **15%** boost in performance and ensuring adherence to coding standards.
- Deployed code to the development server using **Jenkins CI/CD** pipelines, automating the deployment process and reducing manual intervention.
- Engaged in **Agile development** practices, including sprint planning, daily stand-ups, and retrospective meetings

Projects

SkillStream | GitHub

- Developed SkillStream, a full-stack **MERN** application for **online course management**.
- Featuring **React**, **Redux Toolkit**, **Axios**, and **Chakra UI** for a dynamic and responsive frontend with **light/dark mode** support. Created an **admin panel** with **real-time** analytics for views, users, and subscriptions.
- Implemented key functionalities including user authentication, profile management, subscription model with **Razorpay** integration, and playlist management.
- Backend development included Express, Mongoose, secure password storage with **bcrypt**, file uploads to **Cloudinary** using **Multer**, and email functionalities with **Nodemailer**

VidStream | GitHub

- Developed VidStream, a comprehensive video streaming platform using the **MERN stack**.
- Key frontend technologies include React Redux, Redux Toolkit, Axios, **React Hook Form**, React Router Dom, and **Tailwind CSS**.
- The application features user account creation with profile and cover photos, **channel subscriptions**, **video uploads**, **likes**, **comments**, and **playlist management**.
- Admins can update, delete videos, and manage publish statuses. The responsive design includes a **real-time** dashboard for views and users.
- Admins can update, delete videos, and manage publish statuses. The responsive design includes a **real-time** dashboard for views and users.
- Backend utilizes Express, Mongoose(with **aggregation pipelines**), Bcrypt for secure passwords, **Cloudinary** for file uploads, and Jsonwebtoken for authentication. The **scalable backend** ensures robust performance

Technical Skills

Languages: Java, Javascript, SQL, Typescript

Developer Tools: VS Code, MongoDB, AWS, Docker, Postman

Technologies/Frameworks: React.js, Node.js, Express.js, Next.js