Gayathridevi K R

Full Stack Web-Developer

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Summary

Full Stack Web Developer with 2+ years of experience, skilled in building dynamic and user-friendly web applications.Demonstrated expertise in overseeing every phase of the development process, including requirement gathering, design, implementation, deployment and lifecyle.

Education

Karpagam College of Engineering   Aug 2017 – Apr 2021
Bachelor of Engineering in Electrical and Electronics Engineering   *Coimbatore, TN*

Experience

Indian Institute of Technology , Madras   Apr 2022 – Present
Project Associate - Full Stack Developer   *Chennai , TN*

- **Preview PDF and Excel Implementation :**Integrated real-time document preview and downloadable PDF capabilities into the codebase and developed server-side scripts for generating Excel sheets resulting in reduced time needed for manual document updates.
- **Integrated Payment Gateways:** Enhanced user convenience and revenue by integrating ICICI and BillDesk payment gateways for secure online transactions.
- **Upload Feature:** Developed an upload process with validations for multiple document formats including photos, PDFs and Excel spreadsheets.
- **Data Security:** Strengthened application security by implementing data encryption and decryption standards.
- **Report Generation:** Generated a student fee payment summary and scrutiny of students using a graph format.
- **Email Automation:** Streamlined communication by automating email distribution using cron scheduler.
- **Fixed bugs and features:** Promptly addressed and resolved bugs, enhancing user experience and added features based on support tickets for continuous improvement.
- **Project coordination:** Conducted day-to-day coordination and planning. Ensured collaboration to meet project objectives and deadlines.
- **Diverse project experience:** Contributed to a variety of projects, including CRM, Edutech and various Institute portals.

Wipro   June 2021 – Apr 2022
Associate Consultant   *Banglore, KA*

- **Incident Management:** Supported US Bank's smooth operations by managing incidents and ensuring efficient queue management using service now.
- **Operations Support:** Provided user access management using CACS , Phase3 and PEP+ applications , batch processing in the mainframe system.

Projects

Research Programme and Scrutiny Portal | *Angular, TypeScript,Nodejs,PostgreSQL*

- Developed and maintain a Single Page Application (SPA) research admission portal for IIT Madras. The application allows aspiring candidates to apply for M.S., Ph.D., and Direct Ph.D. programs.
- This portal utilizes Angular for the user interface, Node.js for the backend, and PostgreSQL for data storage. The portal integrates BillDesk for secure online fee payments.
- Empowered professors and coordinators of IIT Madras to effectively shortlist candidates through the research admission portal. The intuitive Angular-based UI allows them to apply custom shortlisting criteria and edit written exam marks, interview scores, and applicant rankings.

Fee Payment Integration Portal | *Angular, TypeScript,Nodejs,PostgreSQL*

- Consolidated all fee payments into a single, user-friendly portal and integrated ICICI payment gateway.
- Extensively contributed in developing functionalities for loan requests and approvals, advance dining cycle fee payments, and MIS report generation using ng2-charts.

NIRF Ranking Portal | *Angular, TypeScript,Nodejs,PostgreSQL*

- Handled data management using multer package for data file uploads.
- implemented optimized queries and indexing strategies to ensure efficient data retrieval.

Technical Skills

Languages: JavaScript, TypeScript, PostgreSQL, HTML/CSS
Frameworks: Angular, Node.js, Express.js, Angular Material , Bootstrap
Libraries: ng2-charts, Validators, XLSX, pdfmake, multer, merge-multiple-pdfs, node-cron, jsonwebtoken.
Developer Tools: Git, Visual Studio, Chrome DevTools, DBeaver, Winscp , Putty