Swathi Rk

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Summary

A BSc Mathematics graduate who is transitioning into tech through an intensive coding bootcamp at Brototype. Passionate about building real-world applications, with a strong foundation in problem-solving, full-stack web development, and continuous learning. Seeking opportunities to contribute to impactful software projects and grow as a developer. .

Education

Brototype Boot Camp   Oct 2024 - present
- **Coursework:** Learning MERN Stack, project building, API integration, and deployment.

Calicut University, BSc in Mathematics   Dec 2021-April 2024
- GPA: 7.3/10 with 140 credit points.
- **Coursework:** BSc Mathematics with physics and statistics as complementary subjects.

Experience

Professional Development Programme, Packapeer Academy
- Engaged in a comprehensive self-learning program featuring hands-on projects, personalized mentorship from industry experts, and real-world application scenarios.
- Built full-stack web applications using JavaScript, Node.js, MongoDB, and EJS, structured with MVC architecture and modular design principles.
- Participated in weekly performance reviews and communication sessions to enhance both technical clarity and presentation confidence.
- Developed key features such as Google-based authentication, shopping cart, wishlist, coupon logic, admin panel, and payment gateway integration.
- Practiced agile development with strict weekly milestones, sprint planning, and collaborative peer feedback.
- Utilized tools such as Git, GitHub, Postman, and VS Code within a Linux environment for efficient development and debugging.

Projects

Aura Candles – E-commerce Website   GitHub
- Aura Candles is a feature-rich e-commerce platform built for purchasing premium scented candles, providing an end-to-end shopping experience from browsing to checkout.
- Key Features: Integrated Google-based authentication, user-friendly cart and wishlist systems, order tracking, coupon application logic, and admin dashboard for inventory and order management.
- Scalable Backend: Developed with Express.js and MongoDB, using session-based authentication and modular architecture for clarity and maintainability.
- UI/UX Focused: Built dynamic and responsive frontend using EJS templating and Tailwind CSS to ensure mobile compatibility and fast rendering.
- Admin Panel: Enabled admin roles to manage products, orders, coupons, and view sales reports with real-time updates.
- Dev Practices: Used Git and GitHub for version control, Postman for API testing, and VS Code for streamlined development.
- Tech Stack: EJS, Node.js, Express.js, MongoDB, Tailwind CSS, Google OAuth, Git, GitHub, Postman

Nike and KFC Website Clones   GitHub GitHub

- Recreated pixel-perfect clones of the official landing pages of Nike and KFC to strengthen understanding of HTML/CSS layouts, typography, color schemes, and responsive web design principles.
- Focused on visual accuracy, layout responsiveness, and design best practices by manually translating design elements without any frameworks.
- Practiced semantic HTML, CSS Flexbox/Grid, and mobile-first design techniques to ensure responsiveness across various screen sizes.
- Tech Stack: HTML, CSS

Responsive Website – NOTHING   GitHub

- Designed and built a responsive landing page inspired by the minimalist tech brand "NOTHING," focusing on clean aesthetics, grid alignment, and mobile responsiveness.
- Emphasized brand-inspired UI by implementing modern layouts, smooth scrolling, and scalable content structure using Bootstrap's responsive utilities.
- Applied mobile-first design practices with semantic HTML and reusable CSS classes to ensure compatibility across devices.
- Tech Stack: HTML, CSS, Bootstrap

Personal Portfolio Website   GitHub

- Designed and developed a responsive personal portfolio website to showcase technical projects, resume, and core skills with a modern and user-friendly interface.
- Implemented smooth scrolling, interactive UI elements, and a clean layout for better user experience and mobile compatibility.
- Built with modular structure to enable easy future updates and integration of new sections.
- Tech Stack: HTML, CSS, JavaScript, Bootstrap

Technologies

Proficient in JavaScript, Node.js, MongoDB, and EJS with hands-on experience in building dynamic full-stack web applications. Familiar with Git, GitHub, Postman, and VS Code in a Linux development environment. Currently learning React.js, Data Structures Algorithms, TypeScript, and SQL to strengthen frontend performance and backend logic.