

# Swathi Rk

Palakkad, India | [swathyrk07@gmail.com](mailto:swathyrk07@gmail.com) | +91-8137914427 | [linkedin.com/in/swathi-rk-801a54323](https://linkedin.com/in/swathi-rk-801a54323)  
[github.com/swathy-56](https://github.com/swathy-56)

## Professional Summary

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BSc Mathematics graduate transitioning into technology through an intensive coding bootcamp at Brototype. Skilled in **full-stack web development**, with expertise in **MERN Stack**, **problem-solving**, and building real-world applications. Passionate about contributing to impactful software projects and committed to continuous learning as a developer.

## Education

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### Brototype Coding Bootcamp

October 2024 – Present

- Coursework: Comprehensive training in **MERN Stack**, project development, **API integration**, and **deployment**.

### Calicut University, BSc Mathematics

December 2021 – April 2024

- GPA: 7.3/10, 140 credit points.
- Coursework: Mathematics with Physics and Statistics as complementary subjects.

## Work Experience

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### Professional Development Program, Packapeer Academy

- Engaged in a self-learning program with hands-on projects, personalized mentorship, and real-world application scenarios.
- Developed **full-stack web applications** using **JavaScript**, **Node.js**, **MongoDB**, and **EJS**, following **MVC architecture** and modular design principles.
- Implemented features including **Google-based authentication**, **shopping cart**, **wishlist**, **coupon logic**, **admin panel**, and **payment gateway integration**.
- Participated in weekly performance reviews to enhance technical clarity and communication skills.
- Practiced **agile development** with weekly milestones, sprint planning, and peer feedback.
- Utilized tools such as **Git**, **GitHub**, **Postman**, and **VS Code** in a **Linux** environment for efficient development and debugging.

## Projects

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### Aura Candles E-commerce Website

GitHub

- Built a feature-rich **e-commerce platform** for purchasing premium scented candles, offering a seamless end-to-end shopping experience.
- Key Features: **Google-based authentication**, **shopping cart**, **wishlist**, **order tracking**, **coupon application logic**, and **admin dashboard** for inventory and order management.
- Developed scalable backend using **Express.js** and **MongoDB** with **session-based authentication** and modular architecture.
- Created responsive frontend with **EJS templating** and **Tailwind CSS** for mobile compatibility and fast rendering.
- Implemented **admin panel** for managing products, orders, coupons, and real-time sales reports.
- Tools: **Git**, **GitHub**, **Postman**, **VS Code**.
- Tech Stack: **EJS**, **Node.js**, **Express.js**, **MongoDB**, **Tailwind CSS**, **Google OAuth**.

### Nike and KFC Website Clones

GitHub GitHub

- Recreated pixel-perfect landing pages for Nike and KFC to master **HTML**, **CSS**, and responsive design principles.
- Focused on visual accuracy, layout responsiveness, and **mobile-first design** using **semantic HTML**, **CSS Flexbox**, and **CSS Grid**.
- Tech Stack: **HTML**, **CSS**.

## Responsive Website – NOTHING

GitHub

- Designed a responsive landing page inspired by the minimalist tech brand “NOTHING,” emphasizing clean aesthetics and **mobile responsiveness**.
- Implemented modern layouts, **smooth scrolling**, and scalable content using **Bootstrap** utilities.
- Tech Stack: **HTML, CSS, Bootstrap**.

## Personal Portfolio Website

GitHub

- Developed a responsive portfolio website to showcase projects, resume, and skills with a modern, user-friendly interface.
- Incorporated **smooth scrolling**, interactive **UI elements**, and **mobile-compatible** design.
- Tech Stack: **HTML, CSS, JavaScript, Bootstrap**.

## Skills

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- **Programming Languages:** JavaScript, HTML, CSS
- **Frameworks and Libraries:** Node.js, Express.js, EJS, Tailwind CSS, Bootstrap, React.js (learning)
- **Databases:** MongoDB, SQL (learning)
- **Tools and Platforms:** Git, GitHub, Postman, VS Code, Linux
- **Concepts:** MERN Stack, MVC architecture, API integration, session-based authentication, agile development, mobile-first design, data structures and algorithms (learning), TypeScript (learning)