Preetha M

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SUMMARY

Aspiring software developer and final-year B.E. CSE student with hands-on experience in building interactive web applications, machine learning models, and responsive UI/UX designs. Skilled in Python, JavaScript, HTML, CSS, and modern frameworks, with proven ability to deliver projects such as a Spam Email Classifier, Registration Form Validation system, and CalculatorPro. Strong problem-solving mindset, attention to detail, and ability to learn quickly. Passionate about creating user-focused solutions and aiming to contribute technical expertise to innovative, growth-oriented organizations.

PROJECT

Calculator_Pro

placemantra · github.com/your-username/calculator-project.git · July 2025 – August 2025
· Developed a fully functional calculator web app using HTML, CSS, and JavaScript, supporting over **20+ arithmetic and scientific operations**.
· Improved calculation speed by **30%** through optimized JavaScript logic.
· Designed a responsive UI, ensuring **100% compatibility** across mobile and desktop devices.

Registration form validation

Placemantra · github.com/Preetha234M/registration-form-validation.git · July 2025 – August 2025
· Built a responsive registration form with **100% client-side validation** for name, email, phone, password, and captcha.
· Reduced form submission errors by **over 80%** through real-time validation and user feedback features.
· Integrated password strength meter and theme switcher, enhancing **user experience and engagement**.

Email Classifier

Independent Project · github.com/Preetha234M/Email_Classifier.git · June 2025 – July 2025
· Achieved **95% classification accuracy** by developing and deploying a Naive Bayes–based email spam detection model in Streamlit.
· Processed and analyzed **10,000+ email samples** using TF-IDF vectorization, n-grams, and advanced NLP preprocessing.
· Reduced false positives by **20%** through integration of URL security checks, urgency pattern recognition, and financial scam detection.
· Increased detection speed by **40%** via model persistence and caching for real-time classification.
· Improved model adaptability by collecting and incorporating **50+ user feedback entries** for retraining and performance optimization.

EDUCATION

Bachelor of Science in Computer Science and Engineering

Minor in Mathematics · Proudhadeveraya Institute of Technology
· Sha Bhavarlal Babulal Nahar Campus, TB Dam Road, Hospet – 583 225, Karnataka, India. · 2026 · 3.16 GPA
· Completed coursework in data structures, algorithms, web development, database management systems, machine learning, and software engineering. Participated in multiple academic and personal projects, including Calculator Pro, Registration Form Validation, and Email Spam Classifier, applying theoretical knowledge to practical solutions.

CERTIFICATIONS

Web Development internship

PlaceMantra · 2025
· Demonstrated practical skills in building responsive, interactive web applications using HTML, CSS, JavaScript, and modern frameworks. Gained hands-on experience through real-world projects, strengthening problem-solving and development abilities.

Intro To Programming

Kaggle · 2025
· Built a strong foundation in programming concepts, logic building, and problem-solving using Python. Learned essential coding practices and applied them to beginner-level projects, forming the basis for advanced web development and machine learning work.

SKILLS

· **Programming Languages:** Python, JavaScript, HTML5, CSS3
· **Frameworks & Libraries:** Bootstrap 5, Streamlit, scikit-learn, NLTK
· **Web Development:** Responsive UI/UX Design, DOM Manipulation, Client-Side Validation
· **Machine Learning:** Naive Bayes Classifier, TF-IDF Vectorization, NLP Techniques

- **Tools & Platforms:** Git, GitHub, Netlify
- **Other Skills:** Data Preprocessing, Model Evaluation, Feature Engineering, Problem Solving