# Vatsala Kaashyap

BE Computer Science Graduate
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## CAREER OBJECTIVE

An enthusiastic and adaptable computer science graduate with internship, apprenticeship, and project experience in C, C++, PHP, OpenCV, and full-stack web development. Seeking challenging opportunities in software development where I can leverage my skills and passion for learning to contribute effectively to innovative projects.

## EXPERIENCE

**BridgeLabz, Bangalore — Trainee (Sept 2024 - Nov 2024)**
• Developed and tested REST APIs using Express.js and MongoDB.
• Gained expertise in JavaScript, TypeScript, Linux, and Git.
• Worked in an Agile environment and delivered tasks on deadlines.

**Tata Elxsi, Bangalore — Intern (Jan 2024 - June 2024)**
• Division: Transportation Business Unit (TBU), ADAS.
• Converted C++ code to C and integrated using ROS & Ubuntu.
• Worked on sensor data fusion (Covariance, Bayes, Information matrix fusion).

**BOAT-SR Apprenticeship (NATS Portal) — Apprentice (Apr 11 - Jun 30, 2024)**
• Worked on PHP and OpenCV for character recognition.
• Applied image processing and backend development for automation tasks.

**CMTI, Bangalore — Project Associate-I (Jul 2 - Sept 2024)**
• Developed a PHP-based website for AEDP Apprenticeship management.
• Contributed to backend functionality, database handling, and UI improvements.

## EDUCATION

**SDMCET, Dharwad — BE (Computer Science)** (2020 - 2024) | CGPA: 8.25
**St Claret, Bangalore — 12th** (2018 - 2020) | 77%
**SMCS, Dharwad — 10th** (2008 - 2018) | 84%

## SKILLS

C, C++, Java, PHP, OpenCV, MongoDB, Express.js, Node.js, TypeScript, JavaScript, Git, OOPs, Data Structures, Linux, Agile methodologies

## PROJECTS

**Web Application for Placement Management System** (Sep 2022 - Apr 2023)
• Developed using HTML, CSS, JavaScript, and PHP with MySQL backend.
• Delivered features in Agile environment for placement activities.

**Smart Energy Management System** (Aug 2023 - May 2024)
• Optimized electricity usage with ESP32 microcontrollers, IoT sensors, and ThingSpeak cloud.
• Automated appliances using Arduino IDE based on sensor readings.

## CERTIFICATES

• Agile Methodology (LinkedIn Learning)
• Generative AI (LinkedIn Learning)
• Java Basics (HackerRank)