

KRISHNA SWAROOP ATHMARAM

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COMPUTER ENGINEER

OBJECTIVE

Dynamic professional with a software development background dedicated to transforming Computer Science education through innovative teaching methodologies. Driven to conduct impactful research in Machine Learning while pursuing a Ph.D. to advance academic contributions in the field.

EDUCATION

- M.Tech in Computer Engineering, Sri Jayachamarajendra College of Engineering, Mysore, [2014]
- BE in Information Science, Malnad College of Engineering, Hassan, [2010]

EXPERIENCE

Summary:

Experienced professional with **10 years of industrial experience**, including 5 years as a firmware developer at **IBM India Private Limited**, 2 years as MAC OS app developer at **Infosys Limited** and 2 more years as a technical training facilitator at **e-SwaRa Technologies**.

1 Infosys Limited, Mangalore

August 2010 - August 2012

Position: Systems Engineer

Responsibilities:

- Collaborated with the team to understand project requirements and design specifications.
- Developed and maintained HR application using COCOA framework, Objective C language and SQL.
- Contributed to the architectural change of an HR application to allow for a common database user name for all users.
- Implemented a routing system for a new feature in the HR application, the Gift Card Bonus.
- Developed the Gift Card Bonus feature using the COCOA framework and Objective C language.
- Ensured the quality and efficiency of the HR application through thorough testing and debugging.

2. IBM India Private Limited, Bangalore

Jan 2015 - June 2019

Position: Firmware Engineer Professional

Responsibilities:

- Collaborated with a cross-functional global team of engineers to develop, test, and maintain firmware for IBM Power Servers, using a range of programming languages including C, C++, Perl, Python, and SQL.
- Focused primarily on the development and optimization of Vital Product Data (VPD) and Machine Readable Workbook (MRW) fields in the firmware, making significant contributions to the stability, performance, and functionality of the servers.
- Participated in design and code reviews to provide feedback on code quality and functionality, offering suggestions for improvement and sharing best practices with colleagues.

- Provided training and guidance to junior developers on the team.
- Kept abreast of industry trends and emerging technologies in server firmware development, attending conferences and professional development opportunities to stay up-to-date on the latest advances in the field.

3 e-SwaRa Technologies, Hassan

September 2020 - Present

Position: Technical Training Facilitator

Responsibilities:

- Designed and delivered technical training programs on Python and Machine Learning for students and professionals, both in-house and on-site.
- Developed training materials such as presentations, demos, and hands-on exercises to enhance the learning process.
- Evaluated participants' progress and provided feedback and support to help them achieve their learning goals.
- Collaborated with other trainers and stakeholders to identify areas for improvement and develop new training programs.
- Conducted training needs analysis to identify skills gaps and training opportunities for students and professionals, and maintained accurate records of training activities and participant progress.

TEACHING EXPERIENCE

- Conducted lab sessions and trained engineering students during my M.Tech at SJCE, Mysore.
- Led onsite training sessions at **Adichunchanagiri Institute of Technology, Chikmagalur** and **Malnad College of Engineering, Hassan** providing hands-on instruction and guidance to students
- Designed and facilitated a 20-day training program in Python and Machine Learning at **Adichunchanagiri Institute of Technology** to help students catch up on missed classes and lab exams during the COVID lockdown period.
- Organized an overnight hackathon at **Malnad College of Engineering**, consisting of 10-15 problem sets and evaluating students based on their performance.

PATENT

Identifying defective field-replaceable units that include multi-page, non-volatile memory devices

This patent presents an algorithm designed to identify faulty devices when a page shifting fails for field-replaceable units (FRUs) with serial EEPROM.

URL: <https://patents.justia.com/patent/10997012>



Scan here to see details of Patent

SKILLS

- Experience in training and teaching technical concepts to students and professionals
- Ability to design and implement training programs
- Experience in organizing and conducting hackathons and training sessions
- Proficiency in programming languages such as Python, C, C++, .NET, Objective-C and Java
- Experience in software development using frameworks such as COCOA, .NET
- Knowledge of database management systems and SQL
- Strong understanding of machine learning algorithms and techniques
- Knowledge of software testing methodologies and debugging technique
- Ability to work collaboratively in teams and communicate effectively with team members and clients.

DECLARATION

I certify that all the information provided in this resume is true and accurate to the best of my knowledge.