# Sashwat K

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## EXPERIENCE

- **IBM** — Hybrid
  *Senior Engineer (Full Time)* — *Jul 2022 - Present*

- **AMD Inc.** — Hybrid
  *Silicon Design Engineer (Full Time)* — *Feb 2022 - Jul 2022*
  - **AMD - Xilinx Integration**: Help update infrastructure to help bring synergy between AMD and Xilinx systems Revision Control System, License Servers etc.
  - **Programming**: Developed and maintain scripts for maintaining ICManage servers (users, workspaces etc), FlexLM license files, benchmarking new servers
  - **Collaboration**: Delegate with Silicon Engineering teams and IT to complete projects.

- **Xilinx Inc. (Acquired by AMD Inc.)** — Hybrid
  *CAD Engineer (Full Time)* — *Jul 2021 - Feb 2022*
  - **Management**: Implement policies for LSF queues and Storage.
  - **Programming**: Develop and maintain ICManage Library creation.
  - **Documentation**: Create, update and document processes using Jira and Confluence.

- **Xilinx Inc. (Acquired by AMD Inc.)** — Hybdrid
  *CAD Infrastructure DevOps Engineer (Contactual)* — *Jun 2020 - Jul 2021*
  - **Programming**: Developed and maintain script to maintain server netgroup files of hosts in LSF clusters.
  - **Maintanence**: Maintain ICManage GDP, LSF application profiles, LSF License Scheduler and EDA tools.

## EDUCATION

- **College of Engineering Trivandrum** — Thiruvananthapuram, India
  *Post Graduation - Master in Computer Applications; GPA: 7.0* — *August. 2017 - April. 2020*

- **Christ Nagar College** — Thiruvananthapuram, India
  *Graduation - Bachelor in Computer Applications; GPA: 7.2* — *June. 2014 - May. 2017*

- **Kendriya Vidyalaya AirForce Station Akkulam** — Thiruvananthapuram, India
  *High School - Computer Science* — *April. 2012 - March. 2014*

## SKILLS SUMMARY

- **Languages**:    Python, Go, Embedded C++
- **Tools**:    GIT, Docker, Kubernetes, Ansible, Postman
- **Platforms**:    Linux, Arduino, Raspberry Pi, Autodesk Eagle, Fusion 360

## PROJECTS

- **Fingerprint based Exam Authentication System**: The Fingerprint Based Exam Authentication with Exam Management Automation is a hardware software combination for exam automation and student - teacher verification using fingerprint. The hardware is a handheld device used by the invigilator to authenticate invigilator himself and the students via their fingerprint to avoid the chances of student impersonation during exams. This project was developed as a part of final year project for the course.

- **IOT Water Level Indicator**: The IOT Water Level Indicator is automated pump control for filling tank based on water level, run garden sprinkler system based on garden moisture level and run farm sprinkler system based on specific time. This project was developed for the department. This project has been done as my PG degree's mini project and is available at Github: IOT Water Level Indicator

- **ATmega328p Production Ready Board**: The project contains the eagle files for an Arduino uno clone with small size. The design emphasises on production ready design. Users can design hats for the device. The board design is available for both normal and SMD package. The project is available at GitHub: ATmega328p Production Ready Board

## HONORS AND AWARDS

- Star Performer, All India MCA Meet 2019, NIT Tiruchirappalli - Award for best overall performance
- Winner of Phoenix, All India MCA Meet 2019, NIT Tiruchirappalli - Award for best interview performance
- Winner of Technothon, All India MCA Meet 2019, NIT Tiruchirappalli - Hackathon Competition
- Winner of Quibble, All India MCA Meet 2019, NIT Calicut - Technical and Non Technical Quiz