Krishnan **Gosakan**

COMPUTER SCIENCE PHD STUDENT · RUTGERS, NEW BRUNSWICK

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Summary

A software engineer and researcher with 6 years of coding experience. My area of interest is in computer systems, ranging from compilers to system security. I am specializing on operating systems and computer architecture for my PhD research, with concentration in memory subsystem. I am switching to academia, after 6 years of professional experience, to pursue my PhD in computer science. I am a logical thinker and analytical in nature. I learn things quickly. I am looking forward for a research career, where I wish to improve user applications and operating systems for next generation computer architecture.

Education

Rutgers, The State University of New Jersey *New Brunswick, New Jersey - 08901*
DOCTORATE IN COMPUTER SCIENCE *Aug. 2022 - Present*
- **Advisor**: Prof. Sudarsun Kannan
- **Lab**: Rutgers Systems Research Lab

Sri Sivasubramaniya Nadar College of Engineering *Kalavakkam, Tamil Nadu - 603110*
B.TECH IN INFORMATION TECHNOLOGY *Aug. 2012 - July. 2016*
- Placed in **First class** with a CGPA of **7.153**
- **Final year project**:Inter-video comparison for redundancy identification using python and mongodb database
- **Project Advisor**: Prof. E.M. Malathy
- Implemented a **File Management System** using Front-end as java and Backend as oracle database as a mini academic project
- Created a **Banking Account Creation and Management** software using Java as front-end and MySQL as back-end
- **First prize** in programming contest in SSN EEE symposium

Smt Ramkuwar Devi Fomra Vivekananda Vidyalaya *Chromepet, Tamil Nadu - 600044*
HIGHER SECONDARY, 12TH *July. 2012*
- **Board**: Tamil Nadu State Board
- **Subjects**: Mathematics, Physics, Chemistry, Biology
- Scored **1121 marks** out of 1200 with an Engineering cut-off of **196.50**

Smt Ramkuwar Devi Fomra Vivekananda Vidyalaya *Chromepet, Tamil Nadu - 600044*
SECONDARY SCHOOL, 10TH *May. 2010*
- **Board**: Central Board of Secondary Education (CBSE)
- **Subjects**: Mathematics, Science, Social
- Scored CGPA of **9.6** out of 10
- Participated in various **science quizzes**
- **Extracurricular Activities**: Chess, Yoga

Work Experience

Zoho Corporation *Chengalpattu, Tamil Nadu - 603202*
MEMBER TECHNICAL STAFF *Feb. 2017 - July. 2022*
- Worked as a **C++ developer** for **Zoho Assist** native **Windows** application and installer
- Responsible for **design, implementation, testing and customer support** for Zoho Assist service and deployment components
- **Module owner** of Windows **Deployment** for Zoho Assist Unattended Installer
- Have experience in Microsoft **GPO and Intune** deployment technologies
- Worked on building an **MSI** based installer for Zoho Assist Unattended Support
- Developed a **C# application** for **bulk deployment** of Zoho Assist Unattended support InstallShield-based installer in domain or workgroup based windows network.
- Designed and developed a **load testing framework** for Zoho Assist
- Designed and developed **version update system** with failure detection using MD5 hash for Zoho Assist
- Reported **SQL injection** and **XSS** bugs in multiple Zoho products
- Reported **privilege escalation** and **injection** based security issues in Zoho Assist as a part of **HackFox internal security hackathon**

Cognizant *Siruseri, Tamil Nadu - 603103*
PROGRAMMER ANALYST TRAINEE *Aug. 2016 - Jan. 2017*
- Trained on **Mainframe** Technology and **Cobol** programming language
- Worked on **IBM Z** mainframe systems
- Awarded as the **Best Student** of the Batch