CHIRAG JAMADAGNI

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EDUCATION

National Institute of Technology Karnataka, Surathkal, Mangalore, India

Bachelor of Technology — GPA: 8.5/10

Major: Computer Science and Engineering — Relevant Courses: Data Structures, Analysis of Algorithms, Software Engineering, OOP, Computer Networks, Operating Systems, Distributed Computing, DBMS

PROFESSIONAL EXPERIENCE

Co-Founder, ConCat, Mangalore, India [7/15 - Present]
- Building an online portal for Engineering Conferences.
- Using Django Rest (backend), AngularJS (website) and Java (Android).
- Implemented payment system using CC Avenue's API.

Research Intern, MOOG India Technology Center, Bangalore, India [5/15 – 7/15]
- Designed a real-time, multi-core scheduling algorithm for flight systems.
- Developed a linux based, multi-core embedded system on NVIDIA's Jetson TK1 chip.
- Verified whether MOOG's flight control could adapt to multi core architectures.

Software Development Intern, Xerox Cloud Computing Group, Bangalore, India [5/14 – 7/14]
- Developed test cases using Selenium.
- Developed Liferay portlets to monitor servers and onboard new customers.
- Improved the UI/UX and integrated Nagios system monitoring tool with the Xerox cloud portal.

TECHNICAL SKILLS

Languages: C, C++, CSS, Java, Javascript, Julia, HTML, PHP, Python
Operating Systems: Android, Barrelfish, Linux (Debian), nachOS, Windows
DBMS: MongoDB, MySQL, PostgreSQL, SQLite
Web Framework: AngularJS, Bootstrap, CodeIgnitor, Django, Django Rest, Drupal, Materialize, Node.js
Familiar with: Android Studio, Eclipse, jQuery, Liferay, MeteorJS, NS2, NS3, React.JS, XML

PROJECTS

Crypto Chat (Web)
Created a P2P chat and file sharing application which Uses webRTC and OTR Encryption.

Universal Compiler (Desktop and Android)
Built an application which can compile programs written in 5 different languages.

College Grading System (Web)
Built an online relative grading system for my university.

WhatsApp Clone (Web)
Web based WhatsApp using Twilio and MeteorJS.

NS3 Simulations (C++/Python)
Simulated co-operative blackhole and wormhole attack in NS-3.24.1.

Video Conferencing (Web)
Created a video conferencing application using webRTC.

Shaders.jl (Julia)
Working on a GLSL shaders library in Julia.