

Pranav Prem

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EDUCATION

Goa Engineering College, Goa University
Bachelor of Engineering, Computer Science

Goa, India
May 2014

- Aggregate Percentage 70.3%, First Division.
- Elective subjects – Web Technologies, Data Compression, Data Mining, Mobile Computing.

Navy Children School
All India Senior Secondary Certificate Examination

Goa, India
May 2010

- Aggregate Percentage 92%, Distinction.
- Scored 99% in Computer Science and placed in top 0.1 percentile in the country.

EXPERIENCE

HSBC Software Development India
Software Engineer

Pune (Maharashtra), India
August 2014 – present

- Work with code in Java (Spring Integration and Spring Batch frameworks) for an Integrated Customer Communication Management system for email, SMS and HSBC secure e-messaging as well as Content management systems.
- Developed an application that automated a repeated manual task to save one full time resource equivalent worth of effort (2000+ hours) and was certified as a Lean Six Sigma Greenbelt application.
- Developed a federated search mechanism for Enterprise Content Management systems like FileNet and OnDemand using Elasticsearch, logstash and Kibana.
- Developed a task tacking application that helped map resource utilization and analyze the effect of various members joining/leaving teams.
- Developed a performance testing tool and Hardware Scalability calculator that used inputs from the performance testing tool.
- Performed proof of concepts for Adobe Experience Manager, Jira, Github, Amazon Web Services, Jenkins and Mulesoft.

Zuari Agro Chemicals Limited
Intern

Goa, India
December 2014 – January 2015

- Developed Python code to monitor sales orders processing and provide timely alerts for certain thresholds.
- Designed ABAP code to export data as PDF and PHP to make the remote calls to this code via SAP Remote Function Calls.
- Gained valuable insight into the functioning of a data center.
- Designed a rudimentary website of the Company Health Center.

RESEARCH

A Transmission Control Tunnel for Datagrams
Presented at 7th IETE Conference on RF and Wireless

Bangalore, India
May 2014

The research involved achieving hybrid benefits of a connection oriented and connectionless protocol, specifically TCP and UDP, by tunneling and then further increasing security on the same by enforcing encryption on the packets that were transmitted through the tunnel for use cases where reliable

transmission of datagrams is crucial for functioning like VoIP phones, multiplayer gaming, certificate exchanges and handshaking with routers.

TECHNICAL SKILLS

Programming Technologies: C, C++, Java, Java EE, Spring integration, Struts, Hibernate, Python, HTML-CSS, JavaScript, PHP, XSL, JQuery, MongoDB, Hadoop, SQL, ABAP, Ruby on Rails, Bash.

Development Tools: Rational Rose, Argo UML, Brackets, Dreamweaver, Eclipse (as Rational Application Developer and Spring Tool Suite), IntelliJ, XCode, Git (GitHub), Rational Team Concert, Adobe Experience Manager, Jira, Jenkins, Maven, Pentaho, Control -M.

HONORS AND AWARDS

- Won the 'Above and Beyond Award' for performance at work that exceeded expectations and objectives laid out by management at HSBC in 2016.
- Nominated for 'Rising Star Award' given to stellar performance from an employee with less than 5 years of experience at a country level at HSBC in 2016.
- Won the PEARL (Persistent Extraordinary Approachable Resilient and Liable) Award during the first 6 months of working at HSBC Software development for excellence at workplace in terms of innovation at HSBC in 2015.
- Won the Best Project award and ranked First for in-house HSBC training on HTML5, CSS3, Javascript with frameworks like DOJO and Java (SE and EE) with frameworks like Spring, Struts and Hibernate.
- All India Ranked 8th for IEEE Xtreme 7 – A 24-hour hackathon held internationally (26 Oct 2013).
- Ranked First in "Appsprint", an application building competition by building "Decisionator"- an Android application that helps making decisions. (19 -21 April 2012).
- Ranked First in eight inter college coding competitions - "Code it like Jobs" conducted by the Electronics and Telecommunication Department (2011, 2012 and 2013), "Code Relay" by Computer Engineering Department (2012 and 2014) and "Code Masters" by the Information technology department (2010, 2011 and 2014) of Goa College of Engineering.

CO-CURRICULAR ACTIVITIES

- Headed the Linux User Group of the college which went on to create EngicOS, a Linux based operating System indigenous to Goa College of Engineering for the students and professors alike.
- Attended multiple workshops - Ethical Hacking and Information Security (30-31 July 2010), Arduino workshop (28-29 July 2011), Android application development at BITS Goa (4-5th Feb 2012) and Animation using Autodesk Maya (23rd March 2013).
- Member of the Computer Society of India and for the Goa Chapter of IEEE (2012-13).
- Attended PyCon2012 (a convention for Python coders in India) held in Bangalore (28 September 2012).
- General Secretary of the Computer Engineering Students Organization (CURSOR) for the Computer Engineering department of Goa College of Engineering. Successfully organized the Technical Festival Technix 7 during this tenure (2012-13).
- Headed the Goa College of Engineering photography club for 2012-13.
- Represented college in "Student Parliament" debate competition held by Goa Legislative assembly in the Secretariat of the state (Jan 2014; 2013-14 term).
- Ranked first in Debate competition at inter-department level event "Tandav" (Oct 2013).
- Organized an international photography festival in Goa by the name of "Photoflare"

VOLUNTEER WORK

- Volunteered as an organizer for HSBC Software Development India's "Carnival 2015" to raise money for education of underprivileged children (11 Dec 2015).
- Member of the Lion's Club international (third year running), Treasurer of the Leo Lion's Club for Cortalim and contributed to the creation of a health center that allowed orthopedic equipment to be issued by those in need by creating a software system to monitor the same. (2014-15).