Ashu Pant

Software Developer, Samsung Research Institute Delhi

Experienced Software Engineer with a demonstrated history of working in the software industry.

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EDUCATION

Bachelor of Technology - Computer Science
Motilal Nehru National Institute of Technology, Allahabad, Uttar Pradesh

07/2013 - 05/2017   *8.5/10*

Courses
- Data Structures, Algorithms, Object Oriented Modelling, Distributed Systems, DBMS, Computer Networks, Operating System

Intermediate
Kendriya Vidyalaya, Banbassa

04/2010 - 05/2012   *97%*

High School
St Francis School, Tanakpur

04/2002 - 05/2010   *93%*

WORK EXPERIENCE

Engineer, Platform S/W Team
Samsung Research Institute, Delhi

07/2017 - 11/2019   *Noida*

Achievements/Tasks
- Worked on numerous real-time market products: floating video, Samsung-pass application, and TV browser support for 360 degree video playback.
- Proposed a prototype to seamlessly cast contents from phone's gallery to TV. Co-worked with mobile division in South Korea for commercialisation.
- Built multiple POCs to improve integration between smartphone, TV and other devices to diversify TV usage.
- Successfully collaborated with counterparts of design, mobile, security teams in South Korea(Seoul) and USA.
- Multiple business trips to Samsung Headquarters for product commercialization and critical requirement implementations

ACHIEVEMENTS

JEE AIR Rank - 2296 (99.91 percentile).

State Topper and in top 99.99% percentile nationally in CBSE class XII boards.

Multiple Spot awards for commercialisation of proposed project, high numbers of bug fixes, etc.

SKILLS

C   C++   Java   JavaScript   Python
Machine Learning

PROJECTS

Floating Video (09/2017 - 06/2018)
- Proposed and developed floating window feature, facilitating users to keep watching a video even whilst switching tabs.
- Employed signal mechanism from open-source web-engine: WebKit, for video playback on a webpage and display a transparent button over video for launching the floating window.
- The feature improved the user time per video by 25% and usage of Browser application by 10%.
- Developed using C++ and JavaScript.

Samsung Pass (08/2018 - 09/2019)
- Worked on development of Samsung Pass Application which provides auto-fill feature in Samsung TV Browser using biometrics from phone.
- The feature was subsequently scaled to make it generic to be used for all applications on TV like Netflix, Hotstar, AmazonPrime etc .
- The feature improved user privacy and enhanced experience by drastically reducing login time by 90%.
- Developed using C++ (MVC pattern) and JavaScript.

Trust-Zone (10/2018 - 08/2019)
- Led development of a daemon process for Samsung Pass to provide various kind of encryptions and decryptions services for secure communication among various servers.
- Employed server challenges, certificates and other security mechanism to avoid security attacks such as MITM.
- Developed on C++ for Tizen platform.

Proposed POC Activities (07/2013 - 05/2017)
- POC to extract web-links from the phone to the TV Browser so as to continue surfing seamlessly.
- POC to display QR code on a TVduring a live advertisement, facilitatinge-shopping on mobile .

INTERESTS

Travelling   Photography   Poetry   Comedy
Cooking