

Bharadwaj Rayala

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ACADEMIC PERFORMANCE

COURSE/DEGREE	INSTITUTE	GPA	YEAR
B.Tech in Computer Science & Engineering	Indian Institute of Technology Delhi	8.43/10	2016
Board of Intermediate Education, A.P.	Narayana Junior College, Hyderabad	96.3%	2012
Central Board of Secondary Education	Vidya Mandir High School, Kadapa	91.2%	2010

ACADEMIC DISTINCTIONS/ACHIEVEMENTS

- IIT JEE – AIR 129.
- AIEEE – AIR 226.

EXPERIENCE

Software Developer, Microsoft IDC, Jul 16 - Present

- Work in the Version control team of Visual Studio Team Services in Microsoft IDC.
- My team works on developing Git and Team Foundation version control web services of VSTS. We have developed features like git graph, commit history and commit detail views for both Git and TFVC.
- Work on creating wiki experience in VSTS. Allows teams to have wiki and code tightly integrated and hosted at same place.
- Responsible for maintenance of CodeLens service for Visual Studio, which provides CodeLens indicators for methods and classes, which was a differentiator for Visual Studio.

Software Intern, Microsoft IDC, May 15 - Jul 15

- Worked in the Codelens team of Visual Studio in Microsoft IDC.
- I developed Stackoverflow and Bing Developer Assistant Providers for Q&A Client of Visual Studio using MEF (Managed Extensibility framework). Q&A is a tool used to collaborate with fellow engineers from within the editor.
- The providers use contextual information to do intelligent search using REST API calls to Bing and StackOverflow APIs.
- Received a pre-placement offer from Microsoft.

PROJECTS

Integrating Hadoop with Baadal, Aug 15 – May 16.

(B.Tech Project under Prof. S.C Gupta)

This was an experimental project to evaluate the feasibility of using Hadoop as the data services provider for Baadal (IIT Delhi's internal cloud). It aimed to solve all storage needs (object, block and filesystem) by developing software solutions on top of HDFS. As a part of project, I worked on

- Designing a block storage solution on top of HDFS.
- Implementing a proof of concept version of the above Hadoop block storage device.
- Testing and benchmarking the POC on a 4-VM test setup.
- Integrating, testing, benchmarking an existing object storage implementation on HDFS.

Point Cloud Registration for Under Vehicle Scanning System, Aug 14 – Dec 14.

(Mini project under Prof. Subhashis Banerjee)

- Worked on the registration of pointcloud of under-belly of a car with existing point cloud dataset.
- Tested applicability and performance of multiple registration algorithms like ICP and PPFH for the given problem.

TECHNICAL SKILLS

Programming	C++, C#, Python, JavaScript (TypeScript), HTML, SCSS.
Languages	Familiar with Java, Bash,
Platforms/Tools	React, Redux, Webpack, Gulp, Node, Npm.