RajatAwasthi

Education

B.Tech in Computer Science and Engineering, Senior Year(4th year):

NIT-Agartala, India- *CGPA of 7.52/10 (Up to 8th Semester)

Secondary School: VVMIC Fatehpur (U.P.Board -* 84.40)

High School: VVMIC Fatehpur (U.P.Board - *73.16)

Experience

Software Engineering Intern, The Next Interface Technologies (Dec 8,2014 - Jan 31, 2015):

I have done Winter Internship as a Sophomore. There I have learned core concepts of Java and basic Android App Development Technologies.I worked on different kind of Databases as well as implemented the connectivity of android.

Mentor of Winter Internship Program organized by NIT-A (Dec 5,2015 - Jan 5, 2016):

I have mentored Winter-Internship Program which was organized through Center for Career Development(CCD) at NIT-A . I have provided info on module based projects to selected candidates.

Research and Development Intern at Hippily (May 15, 2016 - June 28, 2016):

I have done Summer Internship in my Junior Year. It was organised for development using Machine Learning. There I have learned core concepts of Machine Learning and implemented it using Scikit-learn.

Skills

Research Interests: Machine Learning, Algorithms Designing

Languages: C,C++,Java,Python

Tools/Frameworks: Eclipse,TensorBoard,Xcode,Android-Studio.

Operating Systems: Windows Family,Linux, MAC OS X(Sierra)

Interests

1: Competitive Coding.

2: Watching Documentaries.

3: Star Gazing.

4: Playing Chess.

5: Solving Puzzles.

6: Writing Poems and Articles.

Contact

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Languages
Hindi - mother tongue
English- fluency

Interested Profile
♥ Software Development

Projects

1-Game(Montie Mate):
A GUI based Maze solver game in JAVA that implements all major OOP Concepts. Techniques like backtracking and Greedy Approach was used to determine possible moves. Flood Algorithm was used for deciding the path.

2-Medimate(Medicine reminder based Android App):
Medimate was based on notification system Medicine reminder app which stores the details of medicines initially, later on patient can be notified on time as prescribed by the doctor.

3-Advaitam(Website and App of college Techfest):
Advaitam is the annual college Techfest of NIT Agartala, I was Head developer of Advaitam 2.0 website: **http://www.advaitam.org.in** .Previously,I have also designed Advaitam 1.0 website: **http://www.techierajat.com/word**

4-Nita-sports(Sports website of NIT-A):
I have designed the website of college sports activities.Which actually provides view on sports involvement of students on and off Inter-NIT. **www.http://www.nitasports.in**

5-Game(Chess):
A GUI based Chess game in JAVA for two players that implements all major OOP Concepts. Techniques like backtracking and Greedy Approach was used to determine possible moves. Files were used for storing statistics.

6- Handwritten Devnagari Character Recognizer:
I have used Deep Learning concept of Machine Learning to recognize handwritten Devnagari characters. I have used Google's Tensor Flow as back-end and top of Keras. On a data sample of 92,000, I got accuracy of 98.84 percent which is best till now on this field.

7-Machine Learning Face Recognizer: (Currently Working)
I worked on making a face recognition app using Machine Learning.Currently, I'm getting accuracy of 87-percent.I'm trying to gain higher prediction rate by taking prediction of algorithms (PCA, IPCA, LDA, ILDA, SVM, ISVM, ICA). My final motive is to develop a separate algorithm to improve results.

Achievements

1. Placed in Sprinklr, CGI and Niki with the package respectively 12 LPA, 7.12 LPA and 6.68 LPA

2. Convenor of the College Web and App development team.

3. Ranked 21st in India and 88th global among 58,000 professionals and students in Hacker-rank(PE+).

4. Solved 100+ problems in SPOJ.

5. Awarded from Education Minister of Uttar Pradesh for being among meritorious students.

6. Selected for prestigious Kishore Vaigyanik Protsahan Yojana Scholarship.

7. Got AIR-7043 in JEE-Advanced.

8. Certificate for 2nd Rank in Inter-branch badminton tournament.

9. Certificate of Organizer of Annual Atheletic Meet at NIT Agartala.

10. Certificate of Organizer of Debate Competitions at NIT Agartala.