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OBJECTIVES/GUIDELINES/AGREEMENT: INTERNSHIP SYNOPSIS

(THIS WILL BE PREPARED IN CONSULTATION WITH SUPERVISOR)

An internship is a unique learning experience that integrates studies with practical work. This agreement is written by the student in consultation with the faculty Mentor and Industrial supervisor. It shall serve to clarify the educational purpose of the internship and to ensure an understanding of the total learning experience among the principal parties involved.

Part I: Contact Information

Student

Name: Emmadi Sumith Kumar   Student ID # UI20CS21   Class Year: 4th

Campus Address: IIIT Surat , Kholvad Campus , Kamrej, Surat

City, State: Kamrej, Gujarat

Phone: +91 99128 57147   Email: sumithemmadi@gmail.com

Industrial Supervisor

Name: Kasu Venkata Rami Reddy   Title: Senior Developer

Company/Organization: C-TRACE SOFT SOLUTIONS PVT. LTD.

Internship Address: #402, Mallik Chambers, Hyderguda, Himayath Nagar, Hyderabad

City, State, Pin: Hyderabad, Telangana - 500029

Phone: +91 84658 02838   Email: ram.kasu@gmail.com

Faculty Mentor

Name: Dr. Pradeep Kumar Roy   Phone: +91 85390 35222

Campus Address: IIIT Surat , Kholvad Campus , Kamrej, Surat

Academic Credit Information

Internship Title: Full Stack Developer Intern   Department: CSE

Course #: CS801   Credits: 24

Grading Option: Credit/Non-Credit

Beginning Date: 8 - JAN - 2024   Ending Date: 30 - JUNE - 2024

Hours per Week: 40   Internship is: ✔Paid___Unpaid

Part II: Internship Objectives/Learning Activities

Internship Objectives: What do you intend to learn, acquire and clarify through this internship? Try to use concrete, measurable terms in listing your learning objectives under each of the following categories:

- Knowledge and Understanding

  During my internship, I aim to master my knowledge on server-side scripting languages , particularly focusing on technologies like Node.js and python. I also plan to gain a deep understanding of the React Native framework for cross-platform mobile app development. Additionally, I intend to explore and implement native modules in Kotlin to boost the functionality and performance of the application.

- Skills

  During my internship, I aim to develop skills in backend development, API design, MongoDB database management, and node-addon-apis, python c++ extentions. I'm eager to understand and work with React Native for Android app development. Additionally, I plan to design native modules using Kotlin. My goal is to contribute effectively to the Internship project and gain practical experience in these areas.

Part III: The Internship

Job Description: Describe in as much detail as possible your role and responsibilities while on your internship. List duties, projects to be completed, deadlines, etc. How can you contribute to the organisation/site of internship. It must contain the assurance of carrying real/live project during the internship.

As a Full Stack Developer Intern, my primary role involves designing and implementing APIs in Node.js and Python for our Open Source Intelligence (OSINT) Report system. Specifically, I focus on creating social media APIs to extract user information based on phone numbers, emails, and usernames. These APIs are critical tools used by law enforcement, integrated into WhatsApp bots for efficient data access.

Additionally, I am responsible for developing an Android application using React Native, integrating APIs with some extra APIs, and adding features to enhance user experience and security. This internship offers hands-on experience with live projects, contributing directly to our organisation's goal of providing advanced OSINT tools to law enforcement for effective information gathering and analysis.

Part IV: Agreement

This contract may be terminated or amended by student, faculty coordinator or work supervisor at any time upon written notice, which is received and agreed to by the other two parties.

Student:_____ Date: 31/01/2024

Industry Supervisor: K. v. Rai Reddy /: Date: 01/02/2024

Faculty Supervisor:_____ Date: _____